ViewSonic®

VT3205LED

LCD TV

- User Guide

- Guide de l’utilisateur

- Guida dell’utente

IMPORTANT: Please read this User Guide to obtain important information on installing and using your product in a safe manner, as well as registering your product for future service. Warranty information contained in this User Guide will describe your limited coverage from ViewSonic Corporation, which is also found on our web site at http://www.viewsonic.com in English, or in specific languages using the Regional selection box in the upper right corner of our website.
“Antes de operar su equipo lea cuidadosamente las instrucciones en este manual”

Model No. : VS13915-1M

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Compliance Information

ENGLISH

FCC Statement

This device complies with part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Following information is only for EU-member states:

The mark shown to the right is in compliance with the Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE).

The mark indicates the requirement NOT to dispose the equipment as unsorted municipal waste, but use the return and collection systems according to local law.

If the batteries, accumulators and button cells included with this equipment, display the chemical symbol Hg, Cd, or Pb, then it means that the battery has a heavy metal content of more than 0.0005% Mercury or more than, 0.002% Cadmium, or more than 0.004% Lead.

ENERGY STAR Information:

To ensure your television is operating at optimal energy efficiency, select [Home] mode during initial activation.

To return to [Home] mode settings, select [Standard] picture mode. [Standard] mode is recommended for normal home use.

Keeping the TV at its factory default settings that meet ENERGY STAR criteria.

Enabling certain features and functionality of LED TV will increase its energy consumption, possibly beyond the limits required for ENERGY STAR qualification.

SRS Trademark Information:

- SRS TruSurround HD is a trademark of SRS Labs, Inc. TruSurround HD technology is incorporated under license from SRS Labs, Inc.

  SRS TruSurround HD™ creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialog.

Declaration of RoHS Compliance

This product has been designed and manufactured in compliance with Directive 2002/95/EC of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium (Cr^{6+})	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex of the RoHS Directives as noted below:

Examples of exempted components are:

1. Mercury in compact fluorescent lamps not exceeding 5 mg per lamp and in other lamps not specifically mentioned in the Annex of RoHS Directive.
2. Lead in glass of cathode ray tubes, electronic components, fluorescent tubes, and electronic ceramic parts (e.g. piezoelectronic devices).
3. Lead in high temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).
4. Lead as an allotting element in steel containing up to 0.35% lead by weight, aluminium containing up to 0.4% lead by weight and as a cooper alloy containing up to 4% lead by weight.

Copyright Information

Copyright © ViewSonic® Corporation, 2011. All rights reserved.
ViewSonic, the three birds logo, OnView, ViewMatch, and ViewMeter are registered trademarks of ViewSonic Corporation.
ENERGY STAR® is a registered trademark of the U.S. Environmental Protection Agency (EPA).
As an ENERGY STAR® partner, ViewSonic Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.
Disclaimer: ViewSonic Corporation shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from furnishing this material, or the performance or use of this product.
In the interest of continuing product improvement, ViewSonic Corporation reserves the right to change product specifications without notice. Information in this document may change without notice.
No part of this document may be copied, reproduced, or transmitted by any means, for any purpose without prior written permission from ViewSonic Corporation.

Product Registration

To meet your future needs, and to receive any additional product information as it becomes available, please register your product on the Internet at: www.viewsonic.com.

For Your Records

Product Name:	VT3205LED ViewSonic LED TV
Model Number:	VS13915-1M
Document Number:	VT3205LED-1M_UG_ENG Rev. 1B 08-18-11
Serial Number:	_____
Purchase Date:	_____

Product disposal at end of product life
ViewSonic respects the environment and is committed to working and living green. Thank you for being part of Smarter, Greener Computing. Please visit ViewSonic website to learn more.
USA & Canada: http://www.viewsonic.com/company/green/recycle-program/
Europe: http://www.viewsoniceurope.com/uk/support/recycling-information/
Taiwan: http://recycle.epa.gov.tw/recycle/index2.aspx

⚠ Caution

Please use the following ViewSonic TVs only with the following wall-mount kit.

	ViewSonic TV Model No.
	VT3205LED
ViewSonic Wall-Mount kit model	WMK-13

Use with other Wall-Mount kit may cause instability and possibly result in injury.
To find the perfect mount for VT3205LED, please browse www.viewsonic.com or call our service team: United States 1-800-688-6688, Canada 1-866-463-4775.

Safety Instructions

	The symbol is intended to alert the user to presence of un-insulated “Hazardous Voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
	This symbol is intended to alert the user that improper use of the product may result in product malfunction. The user should pay attention to avoid accidents or unnecessary problems.

Wet Location

Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

Outdoor Use

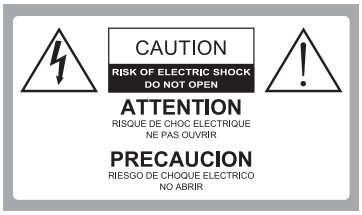
WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Disconnect Device - The Mains Plug or An Appliance Coupler

The mains plug or an appliance coupler is used as the disconnect device for disconnection from the mains, the disconnect device shall remain readily operable.

WARNING

Do not expose this TV to rain or moisture. It may increase the risk to fire or electronic shock.



Dangerous Voltage: The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of dangerous voltage within the inside of the product that may be sufficient level to constitute a risk of electric shock to persons.

Instruction: The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

The TV shall not be exposed to dripping or splashing. Do not put objects filled with liquids, such as vases, on the TV.

CAUTION

To prevent electric shock, do not use this polarized AC plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

Declaration of Conformity

Trade Name: ViewSonic Model: VT3205LED Responsible Party: ViewSonic Corporation Address: 381 Brea Canyon Road, Walnut, CA. 91789 USA Telephone Number: 1-800-688- 6688 This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

NOTIFICATION

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Pursuant to FCC regulations, be cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

SAFETY

- Operate the TV on 120V AC only.
- Use the AC power cord specified by ViewSonic and suitable for the voltage where you use it.
- The plug is designed, for safety purposes, to fit into the wall outlet only one way.
- If you are unable to insert the plug fully into the outlet, contact your dealer.
- If any liquid or solid object should fall inside the cabinet, stop operating, unplug the TV immediately and have it checked by qualified service technician.
- If you will not be using the TV for a long time, disconnect the power by pulling the plug itself. Do not pull on the cord.
- For details concerning safety precautions, refer to Important Safety instructions on page vi.

Installation

- The TV should be installed near an easily accessible power outlet.
- To prevent internal heat buildup, do not block the ventilation openings.
- Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.
- Avoid operating the TV at temperatures below 41ºF (5ºC).
- When the TV is transported directly from a cold to a warm location, or if the room temperature changes suddenly, the picture may be blurred or show poor color due to moisture condensation. In this case, please wait a few hours before turning on the TV, in order to let the moisture evaporate first.
- To ensure best picture quality, do not expose the screen to direct illumination or sunlight. We recommend you use spot lighting directed down from the ceiling or to cover the windows that face the screen with opaque curtains. It is better that TV is installed where the floor and walls are not of a reflective material.

TO CUSTOMERS

To install the specified TV, sufficient expertise is required. Make sure you subcontract the installation to ViewSonic dealer or licensed contractors and pay adequate attention to safety during the installation.

Note

This television includes a QAM demodulator, which should allow you to receive unscrambled digital cable television programming via subscription service to a cable service provider. The type of programming and signal provided by your cable service provider will affect the availability of digital cable television programming in your area.

TRADEMARK INFORMATION

- Macintosh is a trademark of Apple Manufactured under license from Dolby Laboratories.
  Dolby and the double-D symbol are trademarks of Dolby Laboratories.
- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

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IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions completely before using the equipment.
2. Keep these instructions in a safe place.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean with a soft, dry cloth.
7. Do not block any ventilation openings. Install the equipment in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
9. Do not attempt to circumvent the safety provisions of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the outlet.
10. Prevent the power cord from being tread upon or pinched, particularly at the plug, convenience receptacles, and the point where they exit from the device. Be sure that the power outlet is located near the equipment so that it is easily accessible.
11. Only use attachments/ accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus when it will be unused for a long period of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, or the unit does not operate normally, or has been dropped.

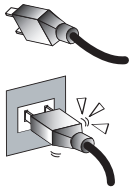
USE

AC power Cord

Keep the following guidelines to protect the AC power cord from being damaged. If the AC power cord is damaged, it may result in a fire or an electric shock. Stop using it and ask your dealer or ViewSonic service center to exchange it.

- Do not place the TV where the power cord is subject to wear or abuse.
- Do not pinch, bend, or twist the cord excessively.
- The core lines may be bared and cut, causing a short-circuit, and resulting in a fire or an electric shock.

- Do not convert or damage the power cord.
- Avoid power cord being rolled over or rested upon.
- When the power cord is plugged in, do not move the TV.
- Keep the power cord away from heat sources.
- When you disconnect the AC power cord, disconnect it from the wall outlet first.
- When disconnecting the power cord, grasp the plug instead of pulling the power cord.
- Use only an original ViewSonic AC power cord, not other brands.
- Do not use the supplied AC power cord on any other equipment.



Wall outlet

Insert the plug fully into the outlet. If it is loose, do not use it. Doing so may cause arcing and result in a fire. Contact your electrician to change the outlet.

Wiring

For your safety, be sure to unplug the AC power cord when connecting cables.
Take care not to trip on the cables. It may cause damage to the TV set.

Electric shock

Do not touch the AC power cord or the TV with a wet hand. If you plug/unplug the AC power cord from the TV with a wet hand, it may cause electric shock.

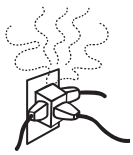
Lightning storms

During a lightning storm, unplug the TV from the wall outlet and disconnect the antenna to prevent damage to the TV.

When not in use

If you will not be using the TV set for long periods of time, the TV set should be disconnected from the AC power outlet to prevent power line surges. The TV set is not disconnected from the AC power source when the TV set is switched off.
To disconnect the TV set completely, unplug from the AC power outlet.

Overloading



This TV set is designed to operate on a 120V AC supply only. If there are too many appliances connected to the same AC power outlet, it could result in a fire or an electric shock.

Optional equipment

If optional equipment is to be installed, leave some space between optional equipment and the TV set. Picture distortion and/or noisy sound may occur if the TV set is positioned in close proximity to any equipment emitting electromagnetic radiation.

Small accessories

Keep small accessories in a safe place where children are unable to reach.

ANTENNAS

Outdoor antenna grounding

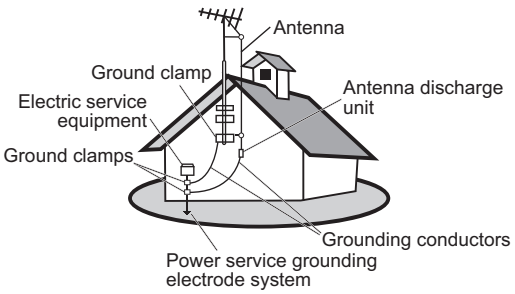
If an outdoor antenna is installed, follow the precautions below. Do not install the outdoor antenna system near of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits.

WHEN INSTALLING AN OUTDOOR ANTENNA SYSTEM, EXTREME CARE SHOULD BE TAKEN TO KEEP FROM CONTACTING SUCH POWER LINES OR CIRCUITS AS CONTACT WITH THEM IS ALMOST INVARIABLY FATAL.

Be sure the antenna system is grounded so that it can provide some protection against voltage surges and built-up static charges.

Section 810 of the National Electrical Code (NEC) in the U.S.A. and Section 54 of the Canadian Electrical Code in Canada provides information with in regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Antenna grounding according to the National Electrical Code, ANS/NFPA 70



Batteries

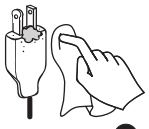
- Do not cast away batteries in a fire.
- Do not disassembled, overheat, or short-circuit the batteries.
- If the battery is replaced in the wrong way, it may cause danger of explosion. Replace only with the same or equivalent type.
- Batteries must not be exposed to excessive heat such as sunshine, fire or the like.

Dispose used batteries

To preserve our environment, dispose of used batteries according to your local laws or regulations.

CLEANING

Cleaning the AC power plug



Unplug the AC power plug and clean it regularly. If the plug is covered with dust and gathers moisture, its insulation may deteriorate and result in a fire.

Cleaning the screen surface/ cabinet of the TV set

When cleaning this TV, unplug the AC power cord. If not, it may result in electric shock. Use a dry soft cloth to clean the cabinet of the TV. To remove dust near the screen, wipe it gently with a soft cloth. Stubborn stains may be removed with a cloth slightly dampened with a solution of mild soap and warm water. Never use strong solvents such as thinner or benzine for cleaning. If using a chemically pretreated cloth, please follow the instruction provided on the package. The ventilation holes can accumulate dust over time.

To ensure proper ventilation, we recommend you to remove the dust periodically (once a month) using a vacuum cleaner, while the LED TV is powered off.

MAGNETIC INFLUENCE

This TV contains a strong magnet in the speaker unit that generates a magnetic field. Keep any items susceptible to magnetic fields away from the speaker.

SOUND

If you hear snapping or popping sound comes from the TV continuously or frequently while the TV is operating,

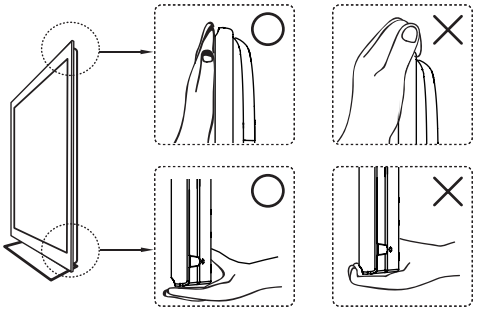
unplug the TV and consult your dealer or service technician. It is normal for some TVs to make occasional snapping or popping sounds, particularly when being turned on or off.

CARRYING THE TV

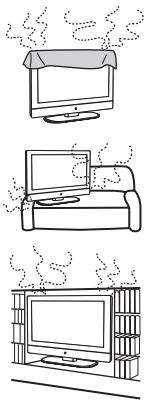
Carry the TV as instructed

To prevent dropping the TV and causing serious injury, you must follow these guidelines:

- Disconnect all cables before carrying the TV.
- Carrying the large size TV requires at least two or three people.
- When you carry the TV, place your hands as illustrated and hold it securely. Do not put stress on the LCD panel and the frame around the screen.
- When carrying the TV, do not subject it to shocks, vibration, or excessive force.
- When lifting or moving the TV, hold it securely from the bottom. Place your palm directly under the panel.



VENTILATION



Slots and openings in TV are provided for ventilation. To ensure reliable operation of the TV and to protect it from overheating, be sure these openings are not blocked or covered.

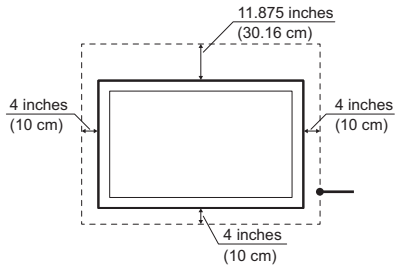
The TV may accumulate dust and get dirty if proper ventilation is not provided. For proper ventilation, follow the following guidelines:

- Never install the TV face up, down or sideways.
- Never install the TV turned over or upside down.
- Never cover the slots and openings with a

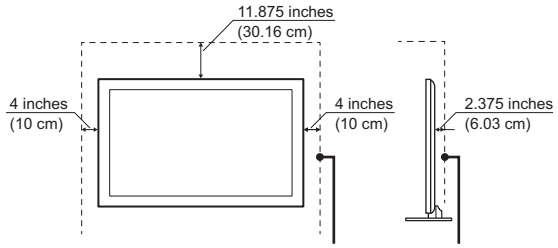
cloth or other materials.
- Never block the slots and openings by placing the TV on a bed, sofa, rug or other similar surface.
- Never place the TV in a confined space, such as a bookcase or built-in cabinet, unless proper ventilation is provided.

Leave some space around the TV set as shown below. Otherwise, air-circulation may be inadequate and cause overheating, which may cause a fire or damage to the TV set.

Installed on the wall



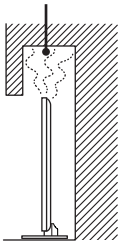
Installed with stand



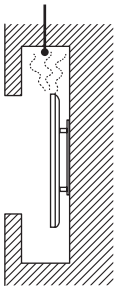
Leave at least this space around the set.

Do not install the TV set as follows:

Air circulation is blocked.



Air circulation is blocked.



Objects and ventilation holes

Never push any objects into the slots on the TV cabinet as they may touch dangerous voltage points or short out parts that could result in a fire or an electric shock. Do not place any objects on the TV.

MOISTURE

Moisture and flammable objects

- Keep the product away from moisture. Do not expose this appliance to rain or moisture. Do not place objects filled with liquids, such as vases, on the TV.

- Do not use power-line operated V sets near water, such as in places like a bathtub, washbowl, kitchen sink, laundry tub, a wet basement, or near a swimming pool, etc. It may cause fire or electric shock.

- Do not let this TV get wet. Never spill liquid of any kind on the TV. If water penetrates into the product, unplug the power cord and contact ViewSonic.
- Do not operate the TV when wet. It may result in electric shock or damage to the TV.
- To prevent fire, keep flammable objects or open flame (e.g. candles) away from the TV.

INSTALLATION

To do Wall mount installation, you need a Wall-Mount Bracket. When installing or removing the TV using the Wall-Mount Bracket, be sure to use qualified contractors. If not properly secured during installation or removal from the Wall-Mount Bracket, the TV may fall and cause serious injury.

Optional wall mount

- When installing the TV using a Wall-Mount Bracket, make sure you follow the operating instructions supplied with the Wall-Mount Bracket.
- Attach the brackets supplied with the Wall-Mount Bracket.
- The TV is not designed for hanging from the ceiling. It may fall and cause serious injury.

Placement

The TV should be installed near an easily accessible AC power outlet.

Observe the following to prevent the TV from falling from the stand or wall mount.

- Place the TV on a stable, level surface.
- Do not hang anything on the TV. Do not allow children to climb on the TV.
- Do not install the TV in places subject to extreme temperature, such as in direct sunlight, near a radiator, or heating vent. If the TV is exposed to extreme temperature, the TV may overheat and cause deformation of the enclosure or cause malfunction.
- Do not install the TV in a place exposed to direct air conditioning.
- If the TV is installed in such a location, moisture may condense inside and may cause a malfunction.

- Do not place the TV in hot, oily, humid or excessively dusty places.
- Do not install the TV where insects may enter.
- Do not install the TV where it may be exposed to mechanical vibration.
- Do not install the TV in a location where it may spear up, such as on or behind a pillar, or where you might bump your head on it. It may cause injury.

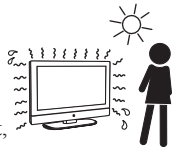
Preventing the TV from toppling over

To prevent the TV from toppling over, secure the TV to a wall or stand.

Placement for watching

We suggest you to watch the TV at a distance of 3-7 times that of the screen height, and not in excessive brightness. It is easy to cause eye fatigue if you watch TV for too long or in a dark room. To obtain clear picture, do not expose the screen to direct illumination or sunlight. Use spot lighting directed down from the ceiling if you can.

Use in outdoor



This TV is not designed for outdoors installation. Do not expose the TV to rain, as it may result in a fire or an electric shock. Also, do not expose the TV to direct sunlight, as it may heat up and become damaged.

Vehicle, ships and other vessels

Do not install this TV in a vehicle.
Car accidents may cause the TV to fall down and cause injury.

Do not install this TV in a ship or vessel.
If the TV is exposed to seawater, it may cause a fire or damage the TV.

Medical institutions

Do not place this TV in a place where medical equipment is in use. It may cause the medical equipment to malfunction.

VOLUME ADJUSTMENT

- Adjust the volume to avoid disturbing your neighbors. Sound carries easily at night. Therefore, we suggest you close the windows or use headphones.
- When using headphones, adjust the volume to appropriate levels, or hearing damage may result.

LCD SCREEN

- Although the LCD screen is made with high precision technology and has effective pixels of 99.99% or more, black dots or bright points or light (red, blue, or green) may appear constantly on the LCD screen. This is a structural property of the LCD panel and is not a malfunction.
- The LCD screen is made with high-precision technology. To achieve a high level of performance and picture quality, this TV's backlight setting is set to maximize the brightness of the TV. However, uneven brightness may be observed when the LED TV is viewed in a dark environment without an input source or a blank screen. This is a normal condition, not a malfunction of the TV. To improve this condition, change the Picture mode, Backlight setting, enable the Light Sensor, or turn on the Power management.
- Avoid exposing the LCD screen surface to direct sunlight. It is likely to damage the LCD panel.
- Do not push or scratch the LCD screen, or place objects on top of the TV. The image may be uneven or the LCD panel may be damaged.
- If the TV is used in a cold place, a smear may occur in the picture or the picture may become dark. It is not caused by a failure. This condition will improve as the temperature rises.
- When still pictures are displayed continuously, ghosting may occur. It should disappear after a short period of time.
- The screen and cabinet get warm when the TV is in use. This is a normal condition.
- Spraying insect repellent with volatile material on the screen will cause damage.
- Do not make prolonged contact with rubber or plastic material.

Broken pieces

Do not throw anything at the TV.
Doing so may break the screen glass and cause serious injury.
If the surface of the TV cracks, unplug the AC power cord before touching the TV. Otherwise electric shock may result.

Handling of broken glass and liquid crystal leakage

If the LCD panel gets damaged, crystalline liquid leakage may occur, or scattered broken glass may result. Do not touch broken glass or crystalline liquid which is toxic, with bare hands as cuts, poisoning or skin irritation may occur. Also do not glass fragments or leaked crystalline liquid get into your eyes or mouth. Should either contacted your eyes or mouth, rinse the contacted area thoroughly with water and consult your doctor.

SERVICING

Do not attempt to repair the TV yourself, since opening the cabinet may expose you to dangerous voltage or other hazards. Ask qualified service personnel to do the servicing for your TV.

Replacement parts

When replacement parts are required, be sure the service technician certifies in writing that he/she has used replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitutions may cause a fire, an electric shock or other hazards.

Safety check

Upon completion of repairs to the TV, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the TV is safe for operating, and to so certify.
Ask a qualified service technician to dispose of the TV.

For Customers in the United States

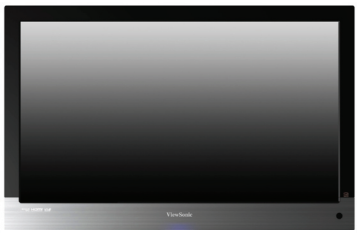
There is mercury in the lamp of this product.
Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (http//www.eiae.org).

List of Features

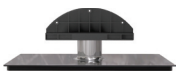
1. Brilliant HDTV. Vibrant PC monitor. One innovative display.
2. Stylish design for kitchen, home office, and dorm room.
3. Super HDTV 1366x768 resolution.
4. PC input for computer applications and web surfing.
5. 6 inputs including HDMI/DVI for the latest HD devices.

Package Contents

Please make sure the following items are included with your LCD TV.
If any items are missing, please contact your dealer.



LCD TV



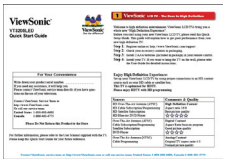
Stand

Screw
(x2)

Power Cord

Remote Control
with batteries

ViewSonic User Guide



ViewSonic Quick Start Guide

Installing the LCD TV

Installing the Stand

Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

1. Lay the TV flat on a table with the LCD screen face down. To prevent the TV from being scratched, put a piece of soft cloth on the table on which the screen will be set. (see Figure 1)
2. Remove the 3 screw from the wall-mount cover. (see Figure 2)
3. Pull off the wall-mount cover slowly. (see Figure 3)
4. Then align the hinge cover from the stand with the back cover like shown above. (see Figure 4)
5. Use screw driver or other tools (not included) to screw (5 screws total) on the hinge cover. (see Figure 5)

Disconnecting the Stand

1. Lay the TV flat on a table with the LCD screen face down. To prevent the TV from being scratched, put a piece of soft cloth on the table on which the screen will be set.
2. Remove the 5 screws from the hinge cover, then pull off the arm slowly, as shown below. (see Figure 1 and Figure 2)
3. Then connect the wall-mount cover to the back cover like shown below. (see Figure 3)
4. Use the screw driver or other tools (not included) to screw (total of 3). (see Figure 4)

Figure 1

Figure 2

Figure 3

Figure 4

Mounting ViewSonic LCD TV to the wall

The LCD TV can be used in a free standing position or wall-mounted. Before installing the product to the wall, please consider the following guidelines:

- Read the Important Safety Instructions, at the start of this manual.
- Do not install in a moist or wet environment. This equipment is intended for indoor use.
- Do not install near heat source, or strong magnetic fields.
- Use only ViewSonic approved wall-mounting brackets to support the LCD TV weight.
- Before attaching the wall mount plate to the back cover, ensure the product is working.
- If your LCD TV is already set up for free-standing operation, you need to first remove the stand before mounting the device to the wall.

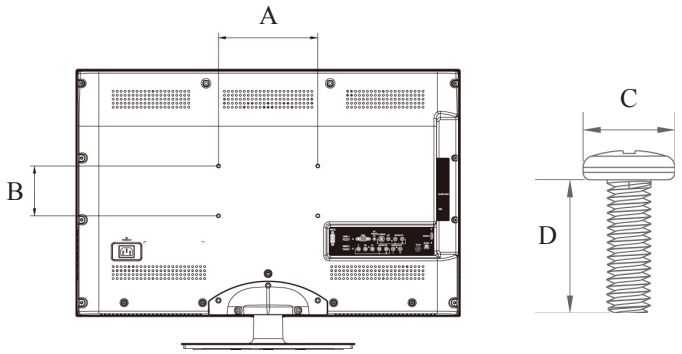
To attach the wall-mount bracket to LCD TV safely, please use the following guidelines:

- Disconnect the power and any other cables that might hinder moving the LCD TV.
- Set the LCD TV on a table or work surface, placing the screen face down on a towel or woolen blanket to protect the screen surface from damage while installing plate.
- Before installing the LCD TV on the wall, ensure you have recorded the product serial number on page (i) of the User Guide, as you will need the serial number to request service should there be a service need.
- Install the wall mount plate to the LCD TV using screws NO LONGER than 10mm, as longer screws found in universal (non-ViewSonic) wall mount kits may damage the power supply causing the unit to fail. The wall-mount screw type is M6 x L10.

- Mount the wall mount bracket to the wall ensuring use of proper screws to support the installation. Ensure there is at least 3cm of space surrounding any air-vents of your LCD TV to allow adequate cooling during operation.
- Hang the LCD TV wall mount plate to the wall mount bracket, completing installation. Enjoy your ViewSonic LCD TV!

Wall Mount Kit Specifications (VESA)

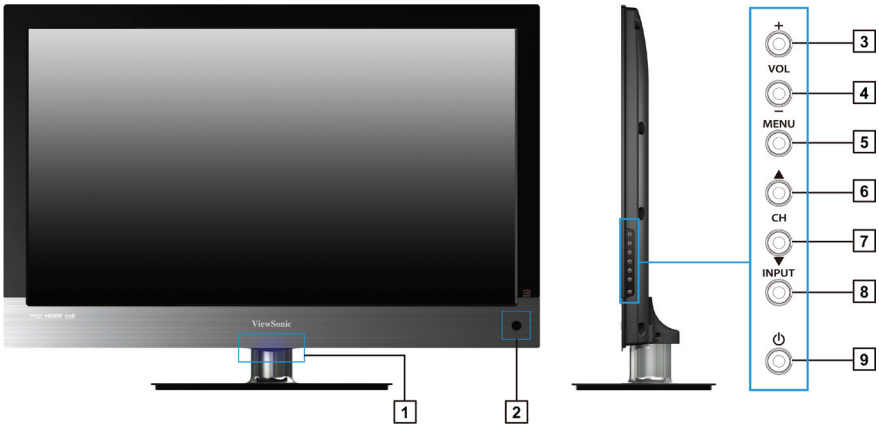
When attaching to other building materials, please contact your nearesr dealer.



Product Family	inch	VESA Spec. (A x B)	Standard Screw (C x D)	Quantity
LCD TV	16	75 x 75 mm	M4 x L10	4
	19 ~ 24	100 x 100 mm	M4 x L10	4
	26 ~ 27	200 x 100 mm	M4 x L10	4
	32 ~ 37	200 x 100 mm	M6 x L10	4
	42 ~ 47	600 x 200 mm	M6 x L10	4
	52	400 x 200 mm	M6 x L10	4

- ViewSonic provides the standard dimensions for wall mount kits as shown in the table above.
- When purchasing our wall mount kit, a detailed install manual and all parts necessary for assembly are provided.
- Do not use the screws that longer than the standard dimension, as they may cause damage to the inside of the TV set.

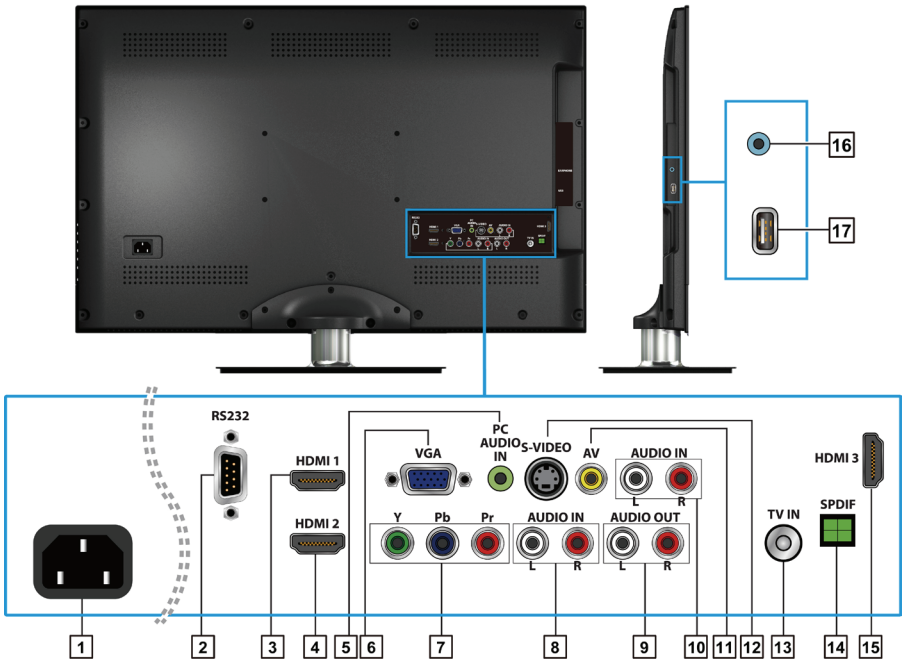
Front View of the Product



Item		Description
1	**Power LED Indicator**	Lights up in blue when the TV is turned on. Lights up in orange when the TV is in standby mode.
2	**Remote Control Receiver**	Receives IR signals from the remote control.
3	**Volume Up**	Increase sound volume or adjust a highlighted control while in OSD menu.
4	**Volume Down**	Decrease sound volume or adjust a highlighted control while in OSD menu.
5	**MENU**	Turn OSD menu ON/OFF.
6	**CH Up**	Channel up when source is TV, or select a control while in OSD menu.
7	**CH Down**	Channel down when source is TV, or select a control while in OSD menu.
8	**INPUT**	Select input source.
9	**Power ON/OFF button**	Turn the power on from standby mode or turn the power off to return to the standby mode.

ENGLISH

Rear View of the Product



Item		Description
1	**Power (AC input)**	Plug-in the supplied AC Power cord and connect to the AC input power source.
2	**RS232 signal input**	This port is for the service technician's use.
3	**HDMI 1 Input Terminal**	Connect this port to the HDMI output of A/V device.
4	**HDMI 2 Input Terminal**	Connect this port to the HDMI output of A/V device.
5	**PC Audio input**	Connect the RGB Audio Out on your computer to the RGB Audio on the rear of the LCD TV.
6	**VGA signal input**	Connect a 15-pin D-sub RGB cable to the RGB output of your computer and the other end to the RGB input on the rear of the LCD TV.
7	**YPbPr signal input**	Connect this port to the YPbPr output of A/V device.
8	**YPbPr signal Audio input (left/ right)**	Connect the Audio in cable for YPbPr from this jack to the corresponding connectors on your A/V device.
9	**Audio output**	Connect this port to your A/V device with audio in (RCA) connectors or to audio amplifier.
10	**AV/ S-Video Audio input (left/ right)**	Connect the Audio in cable for AV/ S-Video from this jack to the corresponding connectors on your A/V device.
11	**Composite Video input**	Connect this jack to the composite video output connectors on your A/V equipment.

Item	Description
12 S-Video input	Connect the S-Video cable from the compatible device to this connector on the rear panel of the LCD TV.
13 TV Input Jack	Connect this jack to your Cable or VHF/UHF antenna.
14 SPDIF Optical output	Connect this port to the SPDIF input of A/V device.
15 HDMI 3 Input Terminal	Connect this port to the HDMI output of A/V device.
16 Headphone Jack	Connect to your headphones. By connecting the headphones, you can listen to the sound from the TV on headphones. ＊If you connect the headphones, the TV speakers will be muted.
17 USB	Connect to your USB devices, such as USB flash drive.

AV connection

Connect the composite video and audio input jacks to the corresponding output jacks of your A/V device.

--- VIDEO: Composite Video input [11]

--- AUDIO: AV/ S-Video signal Audio input [10]

S-Video connection

Connect the S-Video and audio input jacks to the corresponding output jacks of your VCR or other video device that has S-Video. S-Video provides better picture quality than composite video connection. If both are connected, S-Video signal has priority.

--- VIDEO: S-Video input [12]

--- AUDIO: AV/ S-Video signal Audio input [10]

Component (YPbPr) connection

YPbPr provides better picture quality than the S-Video or the AV connection.

＊For YPbPr connection, connect the component video (YPbPr) and audio jacks to the corresponding output jacks of your A/V device.

--- VIDEO: YPbPr signal input [7]

--- AUDIO: YPbPr signal audio input [8]

HDMI connection

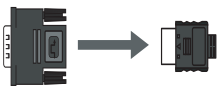
HDMI (High-Definition Multimedia Interface) is a licensable audio/video connector interface for transmitting uncompressed, encrypted digital streams between this TV and any HDMI-equipped audio/video equipment.

＊Be sure to use only an HDMI cable that bears the HDMI logo.

＊If the equipment has a DVI jack and not an HDMI jack, connect the DVI jack to the HDMI Input Terminal (with DVI-to-HDMI cable or adapter), and connect the Audio cable to the Audio In jacks.

HDMI cable

DVI-to-HDMI cable



DVI-to-HDMI adapter

Audio cable

1. With HDMI cable: HDMI1 Input Terminal [3] , HDMI2 Input Terminal [4], or HDMI3 Input Terminal [15]

2. With HDMI-DVI cable
--- VIDEO: HDMI1 Input Terminal [3]
--- AUDIO: PC Audio input [5]

--- VIDEO: HDMI2 Input Terminal [4]
--- AUDIO: PC Audio input [5]
or
--- VIDEO: HDMI3 Input Terminal [15]
--- AUDIO: PC Audio input [5]

Computer connection
Connect the VGA cable and Audio cable from the VGA signal input and PC Audio input to the corresponding ports on your A/V device.
--- VIDEO: VGA signal input [6]
--- AUDIO: PC Audio input [5]

Connecting the LCD TV

Cable System or VHF/UHF Antenna System

Enjoy the high-definition and standard-definition digital programming along with standard-definition analog programming.

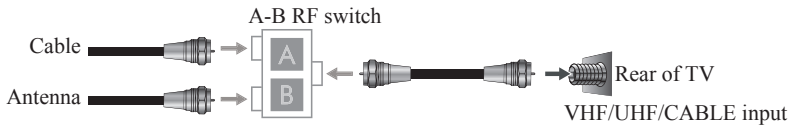
☼

- This TV is capable of receiving unscrambled digital programming for both cable and external VHF/UHF antenna.
- We strongly recommend that you connect the antenna/cable input using a 75-ohm coaxial cable (not supplied) to ensure the best picture quality.

Cable or VHF/UHF

Cable System and VHF/UHF Antenna System

Use an optional A-B RF switch (not supplied) to switch between the cable and antenna programming, as shown below.



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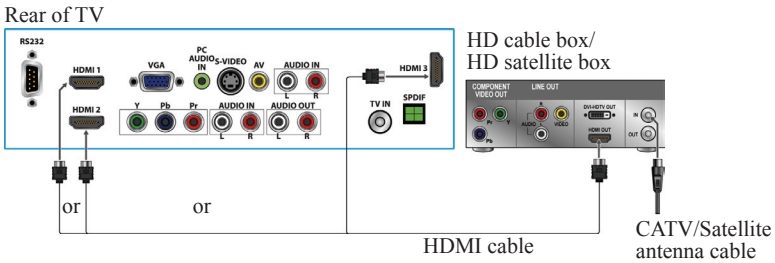
- Remember to set the TV/CATV setting in the TV menu to Air or Cable for the type you choose.

HD Cable Box/HD Satellite Box

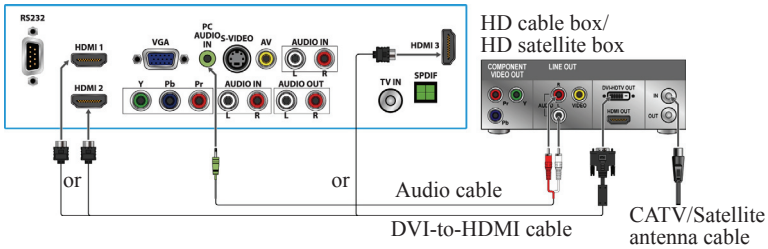
You can also enjoy high-definition programming by subscribing to a high-definition cable service or a high-definition satellite service. For the optimum picture quality, be sure to connect this device to your TV via the HDMI or component video (with audio) input on the back of your LCD TV.

HDMI Connection



DVI Connection

Rear of TV



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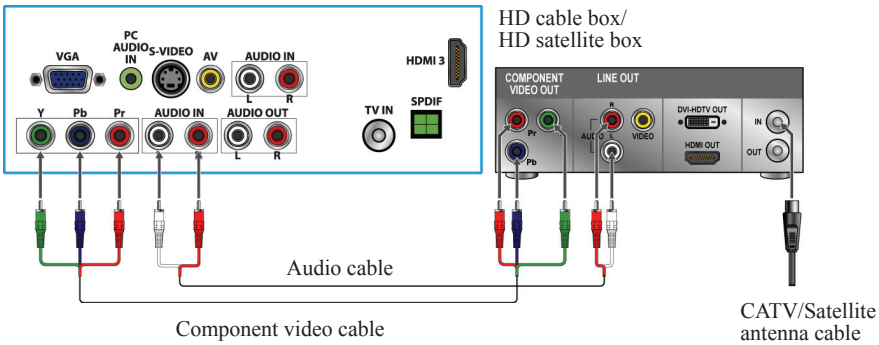
- If the equipment has a DVI jack and not an HDMI jack, connect the DVI jack to the HDMI1 jack [3], HDMI2 jack [4] or HDMI3 jack [15], and connect the audio jack to the AUDIO In jacks of PC Audio input [5].

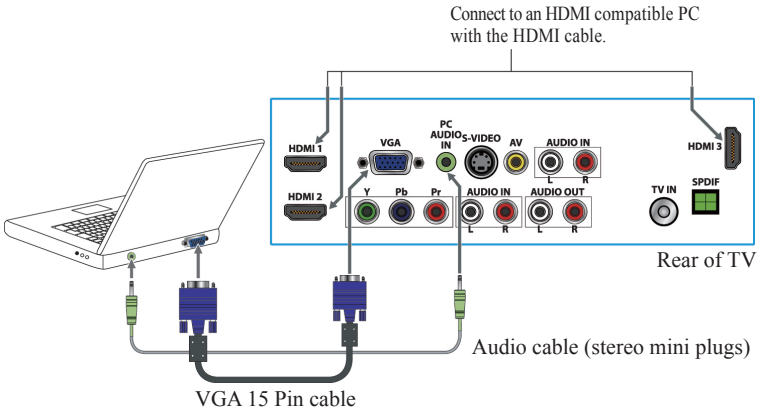
YPbPr or Component Connection

Rear of TV



Personal Computer

Use the LCD TV as the monitor of your computer.
The picture below shows the connection for PC. The LCD TV can also be connected to PC with DVI or HDMI output.



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- Connect the PC IN jack to the PC using a 15-pin cable and audio cable.
- If the PC is connected to TV and no signal has been input from PC for more than 5 seconds, the TV will enter standby mode automatically.

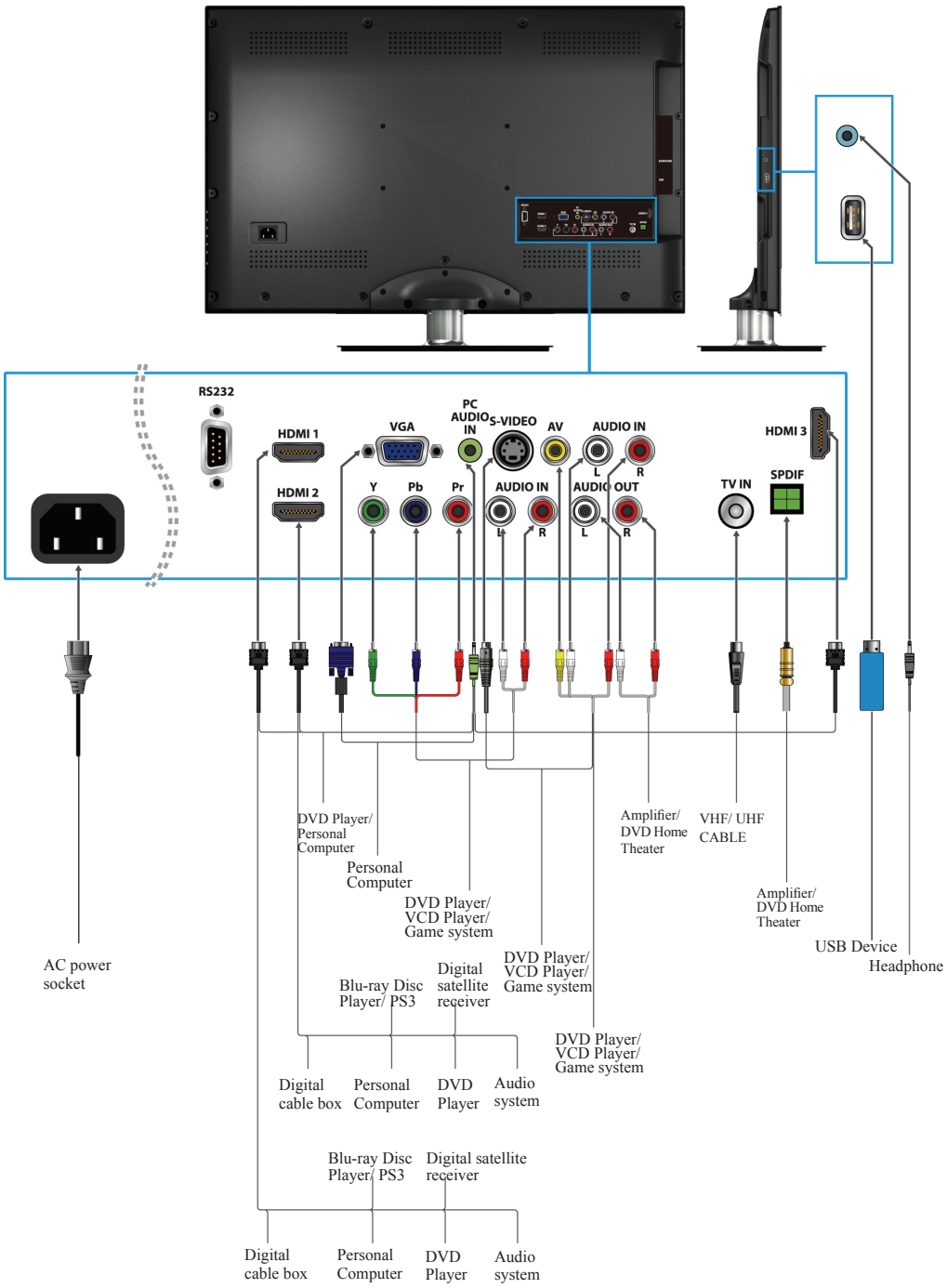
PC Timing Reference Chart

Mode		Aspect Ratio Handling	Compatible Input
Standard	Resolution	FS*Full-Screen	RGB
	720 x 400 @ 70Hz	1360x768	Yes
VESA	640 x 480 @ 60Hz	1360x768	Yes
VESA	640 x 480 @ 75Hz	1360x768	Yes
VESA	800 x 600 @ 60Hz	1360x768	Yes
VESA	800 x 600 @ 75Hz	1360x768	Yes
MAC	832 x 624 @ 75Hz	1360x768	Yes
VESA	1024 x 768 @ 60Hz	1360x768	Yes
VESA	1024 x 768 @ 75Hz	1360x768	Yes
VESA	1280 x 960 @ 60Hz	1360x768	Yes
VESA	1280 x 1024 @ 75Hz	1360x768	Yes
VESA	1360 x 768 @ 60Hz	1360x768	Yes

☼

- This TV's PC VGA input does not support interlaced signals.
- For the best picture quality, we recommend that you use the signals (boldfaced) in the above chart with a 60 Hz vertical frequency from a personal computer.

Other Equipment



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- Please refer to the Quick Start Guide (supplied) when connecting the other equipment to your LCD TV.

Remote Control and TV Controls

Inserting Remote Control Batteries

1. Remove the battery cover by pulling then lifting the knob on the cover.
2. Insert the batteries, corresponding to the (+) and (-) markings on the battery compartment.
3. Reattach the battery cover.

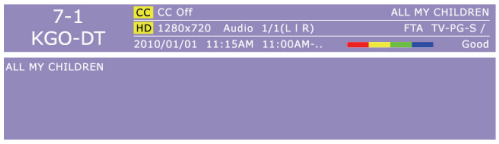
⚠ CAUTION

- Only use the specified AAA batteries.
- Do not mix new and old batteries. This may result in creaking or leakage, which may pose a risk of fire or lead to personal injury.
- Insert batteries according to (+) and (-) markings. Inserting the batteries incorrectly may result in leakage, which may pose a risk of fire or lead to personal injury.
- Dispose of the battery in accordance with local laws and regulations.
- Keep the batteries away from children or pets.
- When the remote control will not to be used for an extended period, remove the batteries.

Remote Control and TV Controls

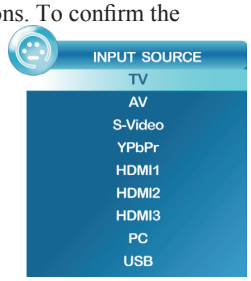
Buttons located at the side of the LCD TV will operate the same as these buttons on the remote control.

Button		Description
1	**POWER**	Press this button to turn the power on from standby mode. Press it again to return to the standby mode.
2	**INFO**	Press this button to display the current state of the LCD TV.



Button		Description
3	**TV**	Press to direct to TV source when in any other source.
4	**0~9, - number buttons**	Press **0**~**9** and "**-**" to select a channel. After you input the channel numbers, press **ENTER** button to direct to the channel immediately, or wait for 3 seconds to change automatically.
5	**C.C**	Press to select the Closed Caption menu in the TV , AV, S-video mode.
6	**- VOL +**	Press to adjust the volume.
7	**GUIDE**	Press to display the Electronic Program Guide (EPG). It contains the program information for the channel you're watching. ∗ The picture here shows an example of the GUIDE screen in a DTV source.
8	**FAV**	Press this button to show Favorite List and select your favorite channels that have already been stored. ∗ To preset favorite channels, use the Favorite item in the Channel menu.(see page 19)
9	**▲▼◄►/ ENTER buttons**	Press these buttons to navigate the OSD menus. ▲/▼ is for menu and function select, and ◄/► is for function adjustment. ENTER: Enter the function setting.

EPG
DTV
Friday,01-January-2010 11:14:57 AM
7-1 KGO-DT
ALL MY CHILDREN
Today 10:00 AM ABC 7 NEWS AT 11AM
Today 10:30 AM WHO WANTS TO BE A
Today 11:00 AM ALL MY CHILDREN
Today 12:00 PM ONE LIFE TO LIVE
Today 01:00 PM GENERAL HOSPITAL
Today 02:00 PM THE VIEW FROM THE BAY
Today 03:00 PM OPRAH WINFREY SHOW
Today 04:00 PM ABC 7 NEWS AT 5PM
Today 04:30 PM ABC WORLD NEWS
Today 05:00 PM ABC 7 NEWS AT 6PM
11:00AM-12:00AM Friday,01-1-2010
TV RATING TV-None /
ALL MY CHILDREN
17-1
7-2

Button	Description
10 INPUT	Press to display the INPUT source list and select the source with ▲/▼ buttons. To confirm the selection, press ENTER. 
11 SOUND	Press this button to select between the sound modes of Standard, Music, Movie, Sports or Personal.
12 PICTURE	Press this button to select between the picture modes of Standard, Dynamic, Soft, or Personal.
13 MTS	Press this button to choose the available sound output that is preset by TV broadcasting station. (EX: Mono, Stereo, SAP)
14 MUTE	Press to turn off the sound. To restore the sound, press this button again, or press the **VOL+/-** button.
15 RETURN	Press to return to previous channel.
16 ▼ CH ▲	Press to change the channels up or down.
17 EXIT	OSD exit
18 MENU	Press to turn the OSD (On-Screen Display) menu on.
19 SLEEP	Press repeatedly to set the off timer. The function is used to automatically shut off the LCD TV after a preset period of time passed. There are several times for choice – Off, 5 Min, 10 Min, 15 Min, 30 Min, 45 Min, 60 Min, 90 Min, 120 Min, 180 Min, 240 Min.
20 ASPECT	Press this button repeatedly to select the screen size. You can select from Normal, Movie Scale, Zoom In, and 4:3.

Operation

Turning the TV On and Off

Press the **POWER** button on the remote control.
You can also use the Power button on the side of the panel.

* If there is no input signal within 15 minutes, TV will be turned off automatically.

Initial Setup

(Setup Wizard only appears when first turning the TV on and without channel scanning.)

1. Press the **POWER** button on the remote control. The Setup Wizard window will be display.
2. Press ◄ or ► to select OSD language, then press **ENTER** or ▼ to confirm the selection, and press ► or **ENTER** to go to next step. To return to the previous page, press **MENU**.(See Figure1)
3. Press ◄ or ► to select your display mode from *Home, Medium, Low or High, then press ENTER or▼ to confirm the selection, and press ► or ENTER to go to next step. To return to the previous page, press MENU. (See Figure2)

   * For normal home use, we suggest that you select “Home” to achieve energy saving.
4. Select Time Zone of your location. To press ▼ to setup DST (Daylight Saving Time) and select On or Off with ◄ or ►, according to the time zone of your area. To press ▼ to setup Time Format, and select 12-hour or 24-hour with ◄ or ►, then press **ENTER** or ► to continue. (See Figure3)
5. Select TV Source from Air or Cable, then press **ENTER** to continue. (See Figure4)
6. The Initial Setup will be completed after Cannel scanning is finished. To interrupt the scanning, press **MENU** at any time. (See Figure5)

Figure 1

Figure 2

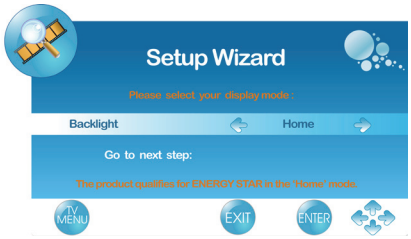


Figure 3

Figure 4

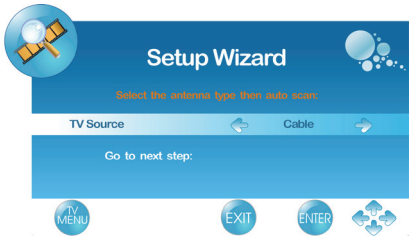
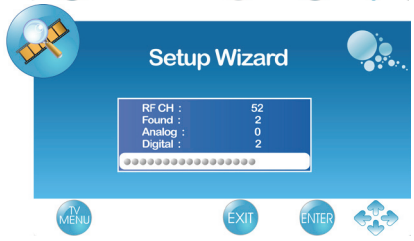


Figure 5



Changing Channels

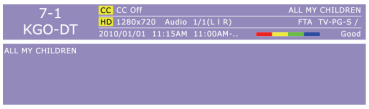
1. Using Channel Buttons
   Press ▼**CH**▲ button to change channels, and the TV changes channels in sequence. You will see all channels that have been memorized. Channels erased or not memorized will not be shown.
2. Using Number Buttons
   (1) ATV
   The "**-**" button has no function in ATV mode. Directly press the number buttons to select channels.
   (2) DTV
   Use "-" button to select the sub channel in DTV.
   Ex: Your desired number is 80-3.
   Press **8** → press **0** → press "-" → press **3**.
   ＊Return to the previous channel, press **RETURN** button.

Adjusting the Volume

Press **VOL +/-** to adjust volume.
To turn off the volume, press **MUTE**.
To restore volume, press **MUTE** again, or press **VOL +/-** directly.

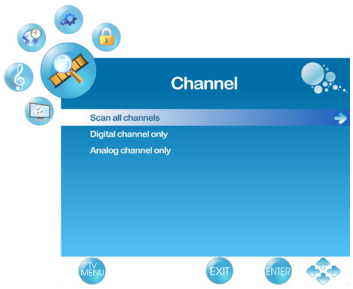
Viewing the Displayed Information

To display the current information of the LCD TV:
Press **INFO**, and the current state will be displayed on the screen. (It shows all or some of the information about Input, Channel, Resolution, Audio Type, etc., depending on what input source it is in)
＊The picture here shows an example of the INFO screen in a DTV source.



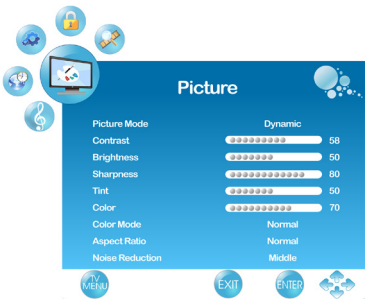
Storing Channels into Memory

1. Press the **MENU** button to display the OSD main menu.
2. Press ◄ or ► to select the "CHANNEL" menu, then press **ENTER** or ▼ to enter the menu. Press ▲ or ▼ to select "TV Source", and use ◄ or ► to select the antenna connection to "Air" or "Cable".
   Air: RF signal programs by "Air".
   Cable: RF signal programs by "Cable".
3. Press ▲ or ▼ to select "Auto Scan", then press ► to enter.
4. Press ▲ or ▼ to select "Scan all channels", "Digital channel only", or "Analog channel only" and press ► to perform Auto Scan function.
   To stop scanning, press **MENU** at any time.
5. The Auto Scan screen will be shown, and after it is done, the screen will return to the first found channel.



Viewing the Menus

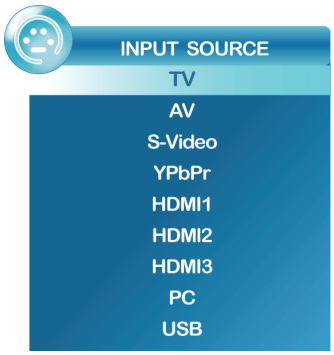
1. Press the **MENU** button to display the OSD main menu. There are six top menus on the screen: PICTURE, AUDIO, TIME, OPTION, LOCK, and CHANNEL. (CHANNEL menu can only be enabled in TV source.)
2. Press ◄ or ► to select your desired top menu.
3. Press **ENTER** or ▼ to enter the menu you select.
4. Use ▲▼ to select the control you want to adjust.
5. When selecting the control with ►, press ► to enter next level menu or enable the function. (► will only appear when the control is highlighted)
6. Press ◄► to adjust or select the settings.
7. Press **MENU** to exit from the OSD menu.



Selecting the Input Source

To select the TV or other external input sources connected to the TV.

1. Press the **INPUT** button on the remote control.
2. Press ▲ or ▼ to select the required input source between TV, AV, S-Video, YPbPr, HDMI1, HDMI2, HDMI3, PC or USB.
   (When in USB input source, the system only supports JPEG, BMP and PNG image files.)
3. To confirm the selection, press **ENTER**.

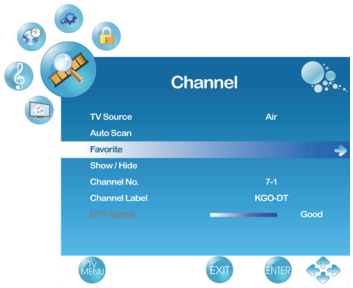


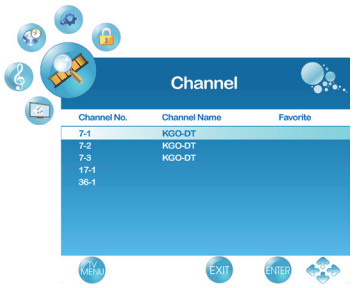
Favorite Channel Setting

To set your favorite channel into memory:

1. Press the **MENU** button to display the OSD main menu.
2. Press ◄ or ► to select the "CHANNEL" menu, then press **ENTER** or ▼ to enter the menu. Press ▲ or ▼ to select "Favorite", then press ► button to enter "Favorite" setting.
3. Press ▲ or ▼ to select the channel you'd like to be your favorite channel.
   Press **ENTER** to confirm your selection.
4. To cancel the selection, Press **ENTER** again on the selected channel.
5. Press **MENU** to exit.

＊To view your favorite channels, press **FAV** button to show Favorite List and select your favorite channels that have already been stored.

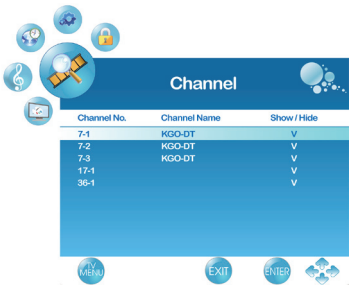




Adding/Erasing Channel

When the channel is erased, it will not appear on the screen when you browse the channels with ▼CH▲ button. To see the channel again, you must add the channel or perform the "Auto Scan" (page 19) function again.

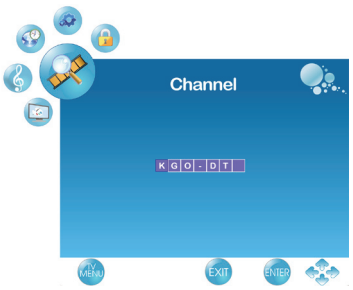
1. Press the **MENU** button to display the OSD main menu.
2. Press ◄ or ► to select the "CHANNEL" menu, then press **ENTER** or ▼ to enter the menu. Press ▲ or ▼ to select "Show/Hide", then press ► button to enter "Show/Hide" setting.
3. Press ▲ or ▼ to select the channel you want to Show/Hide, and check or uncheck it with **ENTER** button.
4. Press **MENU** to exit.



Channel Name Setting

To edit a name for the current channel:

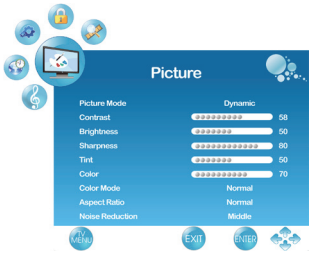
1. Press the **MENU** button to display the OSD main menu.
2. Press ◄ or ► to select the "CHANNEL" menu, then press **ENTER** or ▼ to enter the menu.
3. Press ▲ or ▼ to select "Channel No.", then press ◄ or ► to select the channel you want to edit the name.
4. Press ▲ or ▼ to select "Channel Label", then press ► button to enter "Channel Label" setting.
5. Use ▲ or ▼ to choose letters or signs, ◄ or ► to move forward or backward.
6. After you input the channel name, press **MENU** or **ENTER** to complete the setting.
7. Press **MENU** to exit.



Adjusting the Settings

1.

(1) Press the **MENU** button to display the OSD main menu.
(2) Press ◄ or ► to select your desired top Menu, then press **ENTER** or ▼ to enter the menu.
(3) Press ▲ or ▼ to select the control of “Contrast”, “Brightness”, “Sharpness”, “Tint”, “Color”,“Bass”, “Treble”,“Balance”,then press ◄ or ► to adjust the level.
(4) Press **MENU** to exit.



2.

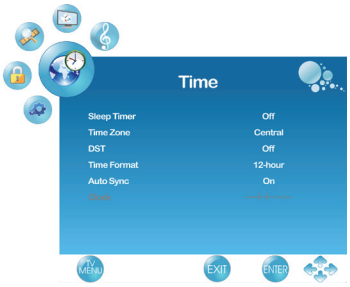
(1) Press the **MENU** button to display the OSD main menu.
(2) Press ◄ or ► to select your desired top Menu, then press **ENTER** or ▼ to enter the menu.
(3) Press ▲ or ▼ to select the control of “Picture Mode”, “Color Mode”, “Aspect Ratio”, “Noise Reduction”, “Sound Mode”, “MTS”, “Audio Language” (only in DTV mode), “SRS TruSurround HD”, “Audio Only”, “Sleep Timer”, “Time Zone”, “DST”, “Time Format”, “Auto Sync”, “Menu Language”, “Transparent”, “OSD Time Out”, “DCR” (Dynamic Contrast Ratio), “Backlight”, “TV ID”, “TV Source”,“Channel No.”,then press ◄ or ► to select your desired option.
(4) Press **MENU** to exit.

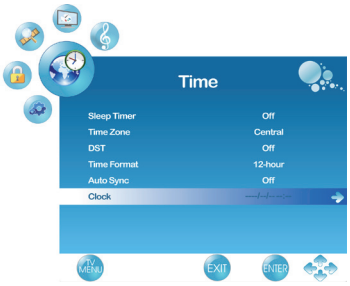
3.

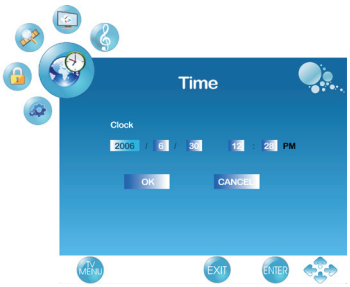
(1) Press the **MENU** button to display the OSD main menu.
(2) Press ◄ or ► to select your desired top Menu, then press **ENTER** or ▼ to enter the menu.
(3) Press ▲ or ▼ to select the control with ►, including “Clock”, “Closed Caption”, “Restore Default”,“Input Label”,“Auto Scan”, “Favorite”, “Show/Hide”, “Channel Label”, then press ► to perform the function or enter detailed settings.

Setting up Time menu

1. Press the **MENU** button to display the OSD main menu.
2. Press ◄ or ► to select the "TIME" menu, then press **ENTER** or ▼ to enter the menu.
3. Press ▲ or ▼ to select "Sleep Timer", and press ◄ or ► to set the "Sleep Timer" from 5~240 min, or Off.
4. Press ▲ or ▼ to select "Time Zone", and select the correct time zone of your area with ◄ or ►. The displayed time of "Clock" will be changed at the same time automatically. To adjust "Clock", select "Clock" and press ►. Use ◄ or ► to change between year/ month/ date/ hour/ minute, ▲ or ▼ to adjust. When you finish adjustment, select "OK" and press ENTER to complete the setting.
   ＊The "Clock" time can only be adjusted manually when "Auto Sync" is set to "Off".
5. Press ▲ or ▼ to select "DST" (Daylight Saving Time), and select On or Off with ◄ or ► according to the time zone of your area. The "Clock" time will change automatically.
6. Press ▲ or ▼ to select "Time Format", and ◄ or ► to select 12-hour or 24-hour.
7. Press **MENU** to exit.

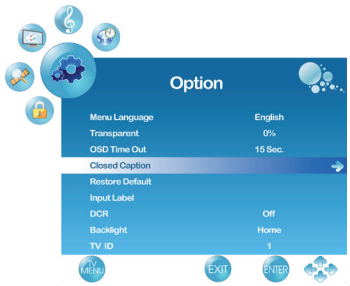






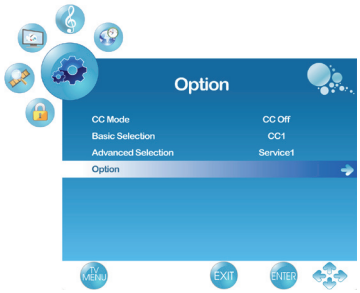
Closed Caption Setting

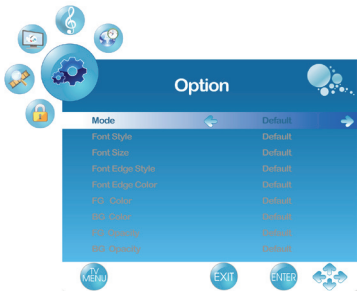
1. Press the **MENU** button to display the OSD main menu.
2. Press ◄ or ► to select the "OPTION" menu, then press **ENTER** or ▼ to enter the menu.
   Press ▲ or ▼ to select "Closed Caption", then press ► button to enter "Closed Caption" setting.
3. Press ▲ or ▼ to select CC Mode, Basic Selection, or Advanced Selection, and use ◄ or ► to make your choice.
   Basic Selection: To set basic analog closed caption options. (CC1~CC4, TEXT1~TEXT4, Off)
   Advanced Selection: To select closed caption signal formats and set up caption modes for digital TV channels. (Service1~6, Off)



For detailed Close Caption setting:

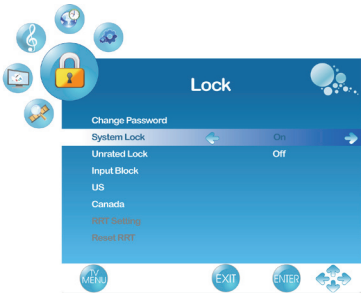
1. Press ▲ or ▼ to select “Option”, then press ► to enter “Option” setting.
2. Press ◄ or ► to select the Mode to be “Custom”, and then use ▲ or ▼ to select desired options and use ◄ or ► to adjust detailed settings.
   ＊When you select the Mode to be “Default”, you can not adjust the detailed settings.





Using the Parent Controls

1. Press the **MENU** button to display the OSD main menu.
2. Press ◄ or ► to select the “LOCK” menu.
3. Press **ENTER** or ▼ to enter Password.
4. Enter the password. (The default password is 0000)
5. Move to “System Lock”, and select “On” to enable the detailed settings.
6. Move to “US” or “Canada” rating system.



US: Press ► to set TV or MPAA ratings.

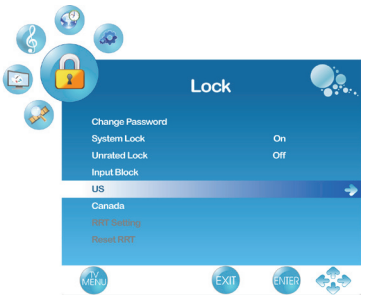
(1) TV

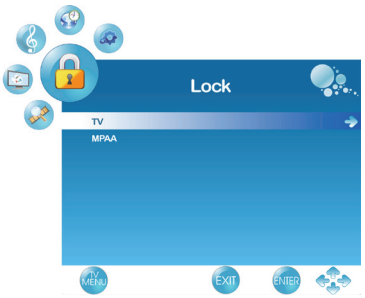
1. Press ▲ or ▼ to select “TV”, then press ► to enter “TV” rating system setting.
2. Press ▲ or ▼ to select your desired TV ratings level.

   The following screen will allow you to customize the following TV ratings:
   Y (all children)
   Y7 (older children)
   G (general audience)
   PG (guidance suggested)
   14 (strongly cautioned)
   MA (mature audience)

   You can also customize the TV ratings for the following content:
   ALL (All types content)
   FV (fantasy violence)
   V (violence)
   S (sexual situations)
   L (adult language)
   D (sexsual dialog)

3. Press **ENTER** to set or reset each area.
4. Press **MENU** to exit.



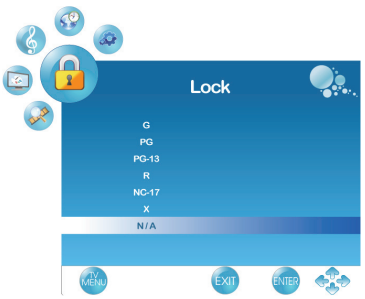


(2) MPAA

1. Press ▲ or ▼ to select “MPAA”, then press ► to enter “MPAA” rating system setting.
2. Press ▲ or ▼ to select your desired MPAA ratings level.

   The MPAA ratings level are defined as following:
   G (general audience)
   PG (parental guidance suggested)
   PG-13 (recommended for children 14 years of age or older)
   R (mature audience)
   NC-17 (no one under 17 years of age)
   X (adult audience only)
   N/A (not applicable)

3. Press ▲/▼ to set or reset each area.
4. Press **MENU** to exit.



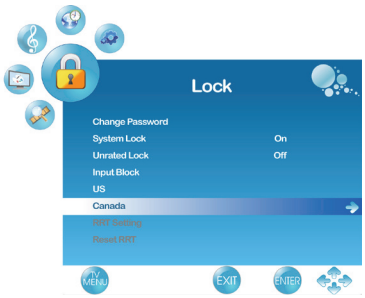
Canada: Press ► to set Canadian English and French ratings.

(1) Canadian English

1. Press ▲ or ▼ to select “Canada Eng”.
2. Press ► to enter.
3. Press ▲ or ▼ to select your desired Canadian English rating level.

   The Canadian English rating levels are defined as following:
   C (children)
   C8+ (children eight years and older)
   G (general programming, suitable for all audiences)
   PG (parental guidance)
   14+ (viewers and older)
   18+ (adult programming)
   EXEMPT (exempt)

4. Press ▲/▼ to set or reset each area.
5. Press **MENU** to exit.



(2) Canadian French

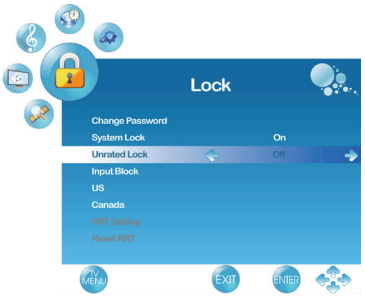
1. Press ▲ or ▼ to select “Canada Fre”.
2. Press ► to enter.
3. Press ▲ or ▼ to select your desired Canadian French rating level.

   The Canadian French rating levels are defined as following:
   G (genenral)
   8ans+ (children eight years and older)
   13ans+ (not appropriate for children of less than 13 years)
   16ans+ (not appropriate for children of less than 16 years)
   18ans+ (reserved to adults)
   EXEMPT (exempt)

4. Press ▲/▼ to set or reset each area.
5. Press **MENU** to exit.

To Block Unrated Movie or TV Programs

1. Press ▲ or ▼ to select “Unrated Lock”, then press ◄ or ► to select “On” or “Off”. When “On” is selected, all programs that are not rated will be blocked.
2. Press **MENU** to exit.



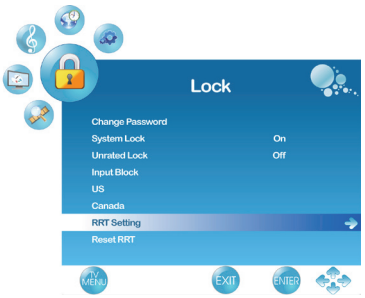
To Set Rating Region Table

RRT Setting defines the rating standard for a particular geographic region and/ or country.

1. Press ▲ or ▼ to select “RRT Setting”, then press ► to enter RRT setting.
2. Select each adjustable setting with ▲ or ▼, then press ◄ or ► to select the sub-selection.
3. Press **MENU** to exit.

∗ The picture here only shows an example of the content of RRT Setting. However, the selections and sub-selections of RRT Setting may be different in your OSD menu according to the local broadcasting system.

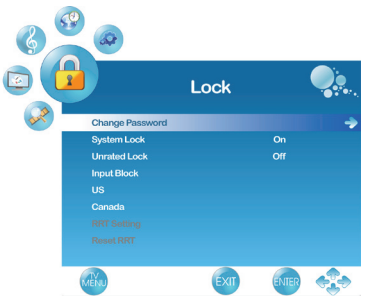
∗ To reset RRT setting, move to “Reset RRT”, and press ► to reset.



To Change Password

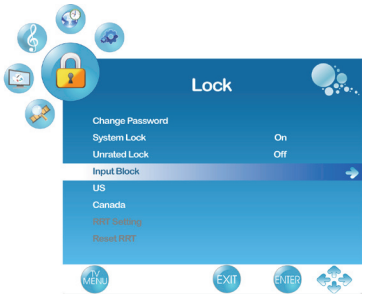
1. Press ▲ or ▼ to select “Change Password”, then press ► to enter “Change Password” setting.
2. Move to “Enter Old Password”, then enter the old password with number keys.
3. Enter your new password on “Enter New Password”.
4. Enter your new password again on “Confirm Password”.

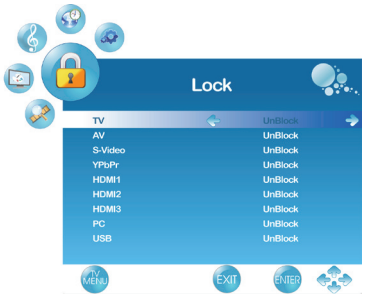
After you complete the last step, the screen will return to the top page of LOCK menu. If so, the password has been changed successfully.



To block by Input Source

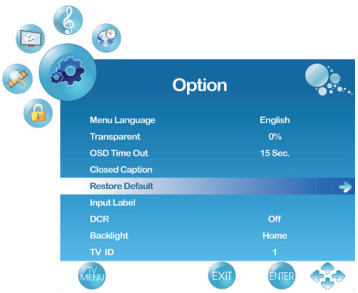
1. Press ▲ or ▼ to select “Input Block”.
2. Press ▲ or ▼ to select the input source, then ◄ or ► to select from “Block” or “UnBlock”.
3. Press **MENU** to exit.





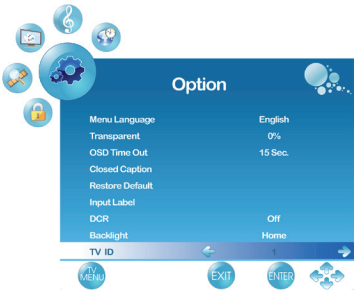
To Restore Factory Setting

1. Press the **MENU** button to display the OSD main menu.
2. Press ◄ or ► to select the “OPTION” menu.
3. Press **ENTER** or ▼ to enter “OPTION” menu.
4. Press ▲ or ▼ to select “Restore Default”, then press ► to restore the factory default setting.
5. Select “Yes” and press **ENTER** to confirm the setting.



Setting RS232 Parameter

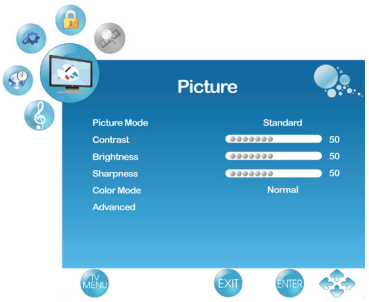
1. Press the MENU button to display the OSD main menu.
2. Press ▲ or ▼ to select the “OPTION” menu.
3. Press ENTER or ► to enter “OPTION” menu.
4. Press ▲ or ▼ to select “TV ID”, then press ◄ or ► to set the TV ID number from 01~98. For detailed information, refer to the RS232 Protocol on page 37~47.

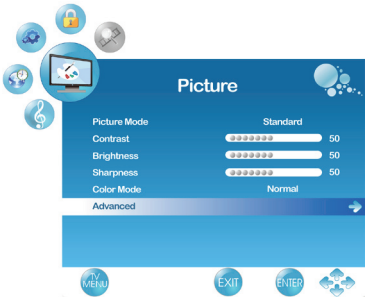


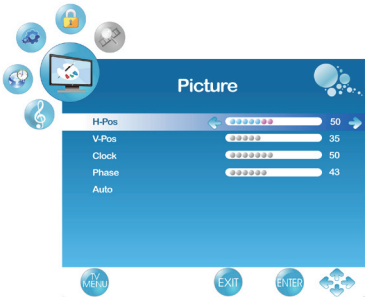
Using PC Function

1. When in PC source, press the **MENU** button to display the OSD main menu.
2. Press ◄ or ► to select the “PICTURE” menu, then press **ENTER** or ▼ to enter the menu.
3. Press ▲ or ▼ to select your desired controls, and press ◄ or ► to adjust.
4. For advanced PC functions, select “Advanced” (only in PC source) and press ► to enter.
5. Press ▲ or ▼ to select “H-Pos” (H-Position), “V-Pos” (V-Position), “Clock”,“Phase” or “Auto” (Auto adjustment), and adjust the level with ◄ or ►.

* When in PC source, the other menus are the same as or similar to when in other source.
* When there is no signal in the PC mode, “No Signal” will be displayed on the screen and the TV will automatically turn into power-saving mode after a few seconds’ idleness. Press **INPUT** or **POWER** button on the remote control and the TV will return to VGA mode.







Using USB Function

1. When input source is selected to USB, insert the USB device into the USB jack. USB only supports JPEG, BMP and PNG image files (With ❤ symbol).
2. Use ▲ or ▼ to select the folder you want, and press **ENTER** (See Figure1).
3. Return to main menu, press ▲ or ▼ to ”--“ and press **ENTER** (See Figure 2). Use ▲ or ▼ to select the image files you want, and press **ENTER** (See Figure 3).

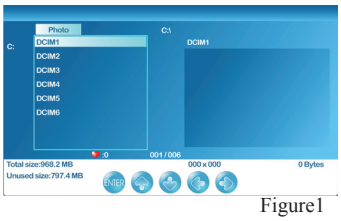


Figure1

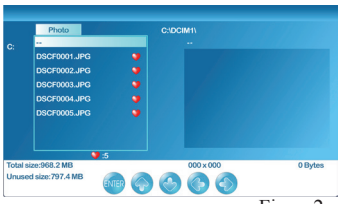


Figure2

In USB mode, you can use the buttons to make following functions:

Press **INFO** can view all of the functions (See Figure 4)

* Press **EXIT** go back to the previous page.
* Use ► or ◄ to display the next or previous picture.
* Use ▲ or ▼ to rotate right or rotate left the picture. (Only available in X1.0 mode)
* Press **Aspect** to zoom in. (X1.5~X4.0)
* When the Aspect Ratio, press ▲▼◄► to move.
* Press **ENTER** to auto-play or stop the pictures.

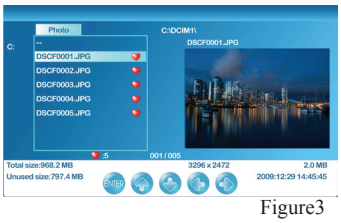


Figure3

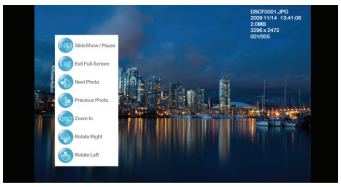


Figure4

In “Option” menu can setup following functions:

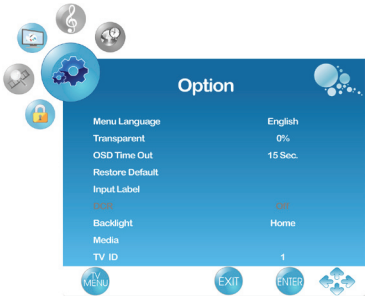
1. Press the **MENU** button to display the OSD main menu.
2. Press ◄ or ► to select “Option” menu, then press **ENTER** or ▼ to enter the menu. Press ▲ or ▼ to select “Media”, and use ► to enter “Media” setting.

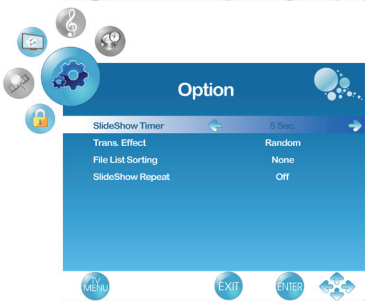
•SlideShow Timer:
To select the pictures auto-play interval time.

•Trans. Effect:
To select the auto-play effects of the slide show.

•File List Sorting:
To select the pictures arrange.

•SlideShow Repeat:
To select the slide show repeat to On or Off.



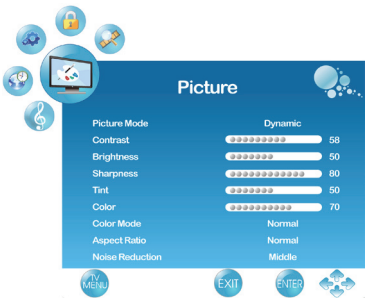


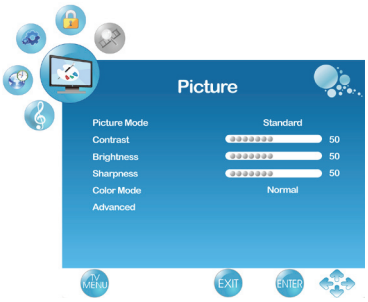
Annotations for OSD Menu Items

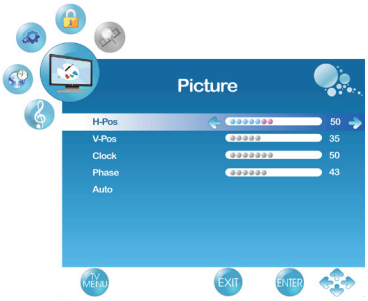
See below for meanings of the control items in each menu.

Picture menu

- **Picture Mode:** To select picture mode.
- **Contrast:** To adjust contrast of video.
- **Brightness:** To adjust luminance of video.
- **Sharpness:** To adjust picture sharpness.
- **Tint:** To adjust tint level.(Except PC source)
- **Color:** To adjust color.(Except PC source)
- **Color Mode:** To select and adjust color mode.
- **Aspect Ratio:** To select image size between Normal, Movie Scale, Zoom in and 4:3.(Except PC and USB source)
- **Noise Reduction:** To reduce the noise level of connected equipment.(Except PC source)
- **Advanced:** To fine tune the image. (Only enabled in PC source)
  - * **H. Pos:** To adjust the horizontal position of the picture.
  - * **V. Pos:** To adjust the vertical position of the picture.
  - * **Clock:** To adjust delay time of clock in order to reduce the noise of picture.
  - * **Phase:** To adjust delay time of phase in order to reduce the noise of picture.
  - * **Auto:** To auto adjust picture's horizontal position, vertical position, clock, phase, fine tune and H-Size.





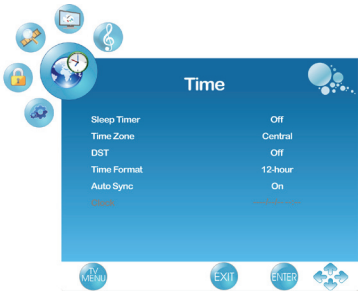


Audio menu

- **Sound Mode:** To select Sound modes.
- **Bass:** To adjust bass.
- **Treble:** To adjust the treble.
- **Balance:** To adjust left and right audio balance.
- **Audio Language:** To select available audio language. (Only available in DTV)
- **SRS TruSurround HD:** To select "SRS TruSurround HD" effect or not.
- **Audio Only:** To turn off the screen picture but keep the sound on.
- **MTS:** To select audio mode.(EX: Mono, Stereo, SAP) (Only available in ATV)

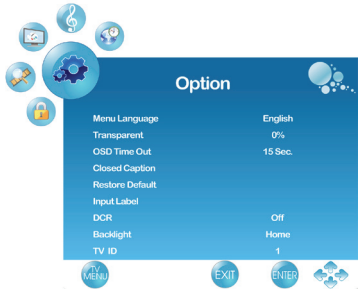
Time menu

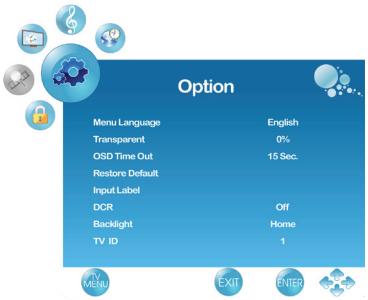
- **Sleep Timer:** To set the off timer.
- **Time Zone:** To select the time zone appropriate to your location.
- **DST:** To turn on/off daylight saving.
- **Time Format:** To select 12-hour or 24-hour.
- **Auto Sync:** To turn on/off Auto Sync.
- **Clock:** To set the clock.

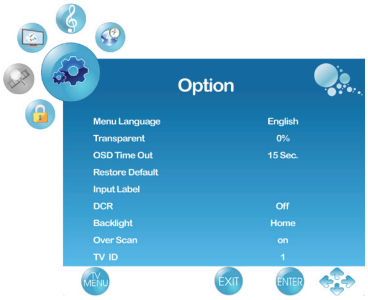


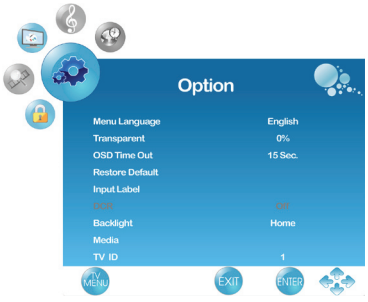
Option menu

- **Menu Language:** To select OSD language.
- **Transparent:** To select OSD (On Screen Display) transparent level.
- **OSD Time Out:** To select OSD show time.
- **Closed Caption:** To set close caption options. (Only available in TV, AV, S-Video source)
- **Restore Default:** To restore the factory default settings.
- **Input Label:** To Change the input source name.
- **DCR:** To turn on/off the DCR (Dynamic Contrast Ratio) function.(Except USB source)
- **Backlight:**To select backlight brightness between Home, Medium, Low, and High.
- **Over Scan:** To select this function to On or Off in HDMI1, HDMI2 and HDMI3.(Only available when input signal is in video timing. Ex:480i, 480p, 720p, 1080i)
- **Media:** To set the picture slide show setting.(Only available in USB source)
- **TV ID:** Setting RS232 Parameter.



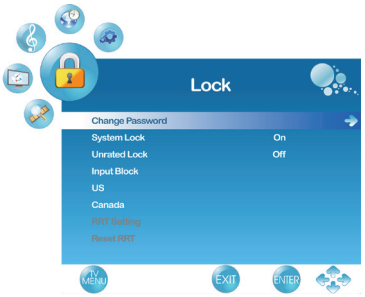






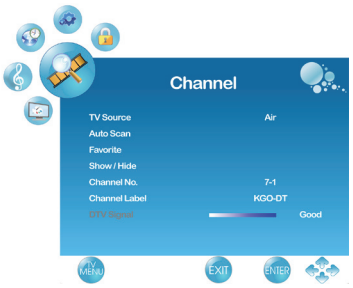
Lock menu

- **Change Password:** To Change the current Password.
- **System Lock:** To select On or Off to Lock parent control.
- **Unrated Lock:** To block unrated movie or TV programs.
- **Input Block:** To block by input source.
- **US:** Select TV and MPAA to set the parent control.
- **Canada:** Select Canadian English and Canadian French to set the parent control.
- **RRT Setting:** To set Rating Region Table.
- **Reset RRT:** To reset Rating Region Table.



Channel menu

- **TV Source:** To select TV source. Select “Cable” to watch cable TV channels, and select “Air” to watch air TV channels.
- **Auto Scan:** To auto scan ATV and DTV channels.
- **Favorite:** To set your favorite channel into memory .
- **Show/Hide:** To set the cannel show or hide.
- **Channel No.:** To select the cannel you want to edit the name.
- **Channel Label:** To edit a name for the current cannel.
- **DTV Signal:** To display the detected signal strength of the current DTV channel.



Cleaning the LCD TV

- Make sure the LCD TV is turned off.
- Never spray or pour any liquid directly onto the screen or case.

To clean the screen:

1. Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
2. If still not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

To clean the case:

1. Use a soft, dry cloth.
2. If still not clean, apply a small amount of a non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

Disclaimer

ViewSonic® does not recommend the use of any ammonia or alcohol-based cleaners on the LCD TV screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the LCD TV. ViewSonic will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.

Programming your Cable or Satellite Box remote

Refer the user manual from your service provider to determine the setting.
If it requires:

- 3 digits, please try "**566**", "**565**", "**556**", or "**688**". It usually works with DISHNetwork.
- 4 digits, please try "**0054**". It usually works with Cox.
- 5-digits, please try "**11454**", "**11054**", or "**10690**". It usually works with DIRECTV.

Troubleshooting

Please contact ViewSonic service team directly if you have questions, service needs, or require technical assistance related on the use of your television.

Contact ViewSonic Service Team at:
http://www.ViewSonic.com
Or call our service team:
United States 1-800-688-6688
Canada 1-866-463-4775

Problem	*Possible Solution*
No power	• Make sure the power cord is properly connected to the LCD TV AC power socket. • Make sure the AC power cord is properly connected to the wall outlet. • Make sure the DC power button is ON (Blue LED). • Plug another electrical device (like a radio) to the power outlet to verify that the outlet is supplying the proper voltage.
No picture	• The TV station may be experiencing problems. Try another channel. • The Cable TV signal may be scrambled or encoded. Please contact your local cable operator. • Make sure that connection to other components are correct referring to the user guide. • Make sure that setup has been done correctly after connections. • Make sure the correct input is selected and the input signal is compatible.
Strange color, light color, or color misalignment	• Ensure that the video cable is securely connected. • The picture may appear dim in a brightly lit room. • Adjust brightness, contrast, saturation (color), and tint referring to the user guide. • Check the input signal setting.
No sound	• Check your audio connections are properly connected referring to the user guide. • The MUTE button may have been pressed, try pressing this button again. • Check your audio settings, your TV audio may be set to minimum. • Press the Volume + (Up) button on the remote control.

Problem	*Possible Solution*
Remote control unit does not operate	• Make sure the directions of batteries are inserted correctly referring to the user guide. • Batteries could be weak or dead. Replace with new batteries. • Is a fluorescent light illuminated near the remote control sensor? • The path of the remote control beam may be blocked. Make sure the path is clear and that the remote control is aimed at the remote control sensor on the TV. • Press the POWER button on the remote control to see if you can turn on the TV. • Press MENU button on the remote control to see if there is a MENU shown on the screen. • Press only one button at a time and it is the correct one for the operation you want to perform.
Unit cannot be operated	• External influences such as lightning or static electricity may cause improper operation. In this case, operate the unit after first turning on the power of the LCD TV and the AVC System, or unplug the AC cord for 1 to 2 minutes, then replug again.
Power is cut off suddenly	• Is the sleep timer set in advance? • Is there no signal in PC mode or HDMI mode? • The internal temperature of the unit has increased. Remove any objects blocking the vent or clean as necessary.
No CATV reception (or no reception above CH13)	• Is the AIR/CABLE option set correctly? Please set the AIR/CABLE option to CABLE referring to the user guide. • CATV is connected improperly or not connected; please check all the CATV connections. • The cable TV service is interrupted; please contact your cable operator.
Picture is cut off/with sidebar screen	• Is the image positioned correctly? • Are screen mode adjustments such as picture size set correctly? • Press WIDE button repeatedly on the remote control to see if you can get the picture you prefer.

Specifications

Model		VT3205LED
LCD (LED Backlight)	Type	31.51” TFT Active Matrix RGB 0.17025 (H) x 0.51075 (V) mm pixel
	Color Filter Glass surface	RGB vertical stripe Anti-Glare
Input signal	RGB	RGB analog (0.7/1.0 Vp-p, 75 ohms) Separate Sync, f_h: 30-82 kHz, f_v:55-76 Hz
	RF	TV system Antenna / NTSC+ATSC, TV cable system / CATV+Digital cable
	Video	1 composite RCA, 1 S-Video, 1 YPbPr component, 3 HDMI
	Audio	1 mini-stereo, 2 pair of RCA (L/R) stereo
	USB	JPEG / BMP / PNG Picture Format
Compatibility	PC	Up to 1360 x 768 @ 60 Hz, VGA mode
Resolution	Recommended and supported (VGA mode)	1360 x 768 @ 60 Hz 1280 x 1024 @ 75 Hz 1280 x 960 @ 60 Hz 1024 x 768 @ 60, 75 Hz 800 x 600 @ 60, 75 Hz 640 x 480 @ 60, 75 Hz
Speaker Output		10W x 2 @ THD=10%
Audio Output		1 Headphone jack, 1 stereo RCA jack, 1 SPDIF (optical)
Power	Voltage	100-240 VAC, 50/60 Hz (auto switch)
Display area	Full Scan	697.68mm (H) x 392.26mm (V) 27.47” (H) x 15.44” (V)
Operating conditions	Temperature Humanity Altitude	32°F to + 104°F (0°C to + 40°C) 10% to 65% (no condensation) To 6,500 feet (2,000m)
Storage condition	Temperature Humanity Altitude	-4°F to + 140°F (-20°C to + 60°C) 0% to 90% (no condensation) To 40,000 feet (12,000m)
Dimensions	Physical (W) x (H) x (D)	774.7mm x 563.6mm x 210.0mm 30.5’’ x 22.19’’ x 8.27’’
Weight	Net	9.6 kg (21.16 lb)
Regulations		UL/cUL, FCC-B (Doc-B), NOM, BETS-7, ENERGY STAR®, NRCan
Power consumption	On Stand by	< 130 W [Max] (blue LED) < 1 W @ 115 Vac only (orange LED)
Warning: Do not set the graphics card in your computer to exceed these refresh rates; doing so may result in permanent damage to the LCD TV.		

Note: Product Specifications are subject to change without notice.

RS232 Protocol

1. Introduction

This document describes the hardware interface spec and software protocols of RS232 interface communication between Viewsonic Commercial Display and PC or other control unit with RS232 protocol.

The protocol divide into three sections:

- Set-Function
- Get-Function
- Remote control pass-through mode

※In below document, “PC” will represents all the control units that can sent or receive the RS232 protocol command.

2. Description

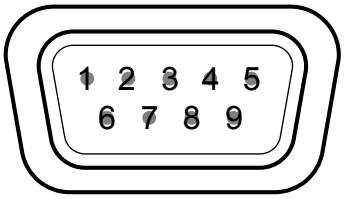
2.1 Hardware specification

Viewsonic LCD communication port in the rear side

(1) Connector type: DSUB 9 Pin Male

(2) Pin Assignment

Male DSUB 9Pin
(outside view)



Pin #	Signal	Remark
1	NC	
2	RXD	Input to LCD Monitor
3	TXD	Output from LCD Monitor
4	NC	
5	GND	
6	NC	
7	NC	
8	NC	
9	NC	
frame	GND	

* Use of crossover (null modem) cable required for use with PC.

2.2 Communication Setting

- Baud Rate Select: 9600bps (fixed)
- Data bits: 8bits (fixed)
- Parity: None (fixed)
- Stop Bits: 1 (fixed)

2.3 Command Message Reference

PC sends to Monitor command packet followed by “CR”. Every time PC sends control command to the Monitor, the Monitor shall response as follows:

1. If the message is receives correctly it will send “+” (02Bh) followed by “CR” (00Dh)
2. If the message is receives incorrectly it will send “-” (02Dh) followed by “CR” (00Dh)

3. Command Description

Length	Total Byte of Message excluding “CR”
TV ID	Identification for each of TV
Command Type	Identify command type, “s” (0x73h) : Set Command “g” (0x67h) : Get Command “r” (0x72h) : Reply Command “p” (0x70h) : RCU Pass-through “+” (0x2Bh) : Valid command Reply “-” (0x2Dh) : Invalid command Reply
Command	Function command code: One byte ASCII code
Value[1~3]	Three bytes ASCII that defines the value
CR	0x0D

4. Set-Function Listing

The PC can control the LCD Monitor for specific actions. The Set-Function command allows you to control the LCD monitor behavior in a remote sit through the RS232 port. The Set-Function packet format consists of 11 bytes.

Set-Function description:

Length	Total Byte of Message excluding “CR”
TV ID	Identification for each of TV. The TV ID doesn’t be supported by HDTV “power on” command. If we want to set all TV settings, TV ID can use “99” to achieve, and it will not have Reply command on this function.
Command Type	Identify command type, “s” (0x73h) : Set Command
Command	Function command code: One byte ASCII code
Value[1~3]	Three bytes ASCII that defines the value
CR	0x0D

Set-Function format:
Send (Command Type= “s”)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5	6	7	8	9

(Command Type= “s”, Only for HDTV power on)

Name	Length	Command Type	Command	Value1	Value2	Value3	CR
Byte Count	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte
Bytes order	1	2	3	4	5	6	7

Reply (Command Type= "+" or "-")

Name	Length	ID	Command Type	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5

(Command Type= "+" or "-", Only for HDTV power on)

Name	Length	Command Type	CR
Byte Count	1 Byte	1 Byte	1 Byte
Bytes order	1	2	3

Example1: Set HDTV power on and this command is valid.
Send (Hex Format)

Name	Length	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x36	0x73	0x21	0x30	0x30	0x31	0x0D

Reply (Hex Format)

Name	Length	Command Type	CR
Hex	0x32	0x2B	0x0D

Example2: Set Brightness as 76 for TV-02 and this command is valid.
Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x32	0x73	0x24	0x30	0x37	0x36	0x0D

Reply (Hex Format)

Name	Length	ID	Command Type	CR
Hex	0x34	0x30 0x32	0x2B	0x0D

Example3: Set Brightness as 76 for TV-02 and this command is NOT valid.
Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x32	0x73	0x24	0x30	0x37	0x36	0x0D

Reply (Hex Format)

Name	Length	ID	Command Type	CR
Hex	0x34	0x30 0x32	0x2D	0x0D

Example4: Set Tint as -32 for TV-03 and this command is valid.
Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x33	0x73	0x27	0x2D	0x33	0x32	0x0D

Reply (Hex Format)

Name	Length	ID	Command Type	CR
Hex	0x34	0x30 0x33	0x2B	0x0D

Example5: Set Tint as -75 for TV-03 and this command is NOT valid.
Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x33	0x73	0x27	0x2D	0x37	0x35	0x0D

Reply (Hex Format)

Name	Length	ID	Command Type	CR
Hex	0x34	0x30 0x33	0x2B	0x0D

Example6: Set Brightness as 76 for all TV and this command is valid.
Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x39 0x39	0x73	0x24	0x30	0x37	0x36	0x0D

No Reply..

Table 4-1: PC Set-function command to LCD Monitor (ID=C0h)

Set Function	Command Code (ASCII)	Command Code (Hex)	Value Range (Three ASCII bytes)	Comments
HDTV Power	!	21	000: STBY 001: ON	Controlled the HDTV power status: ON or Standby
Input Select	`	22	000: TV 001: AV 002: SV 003: YPBPR 004: HDMI 1 005: HDMI 2 006: VGA	
Contrast	#	23	000 ~ 100	
Brightness	$	24	000 ~ 100	
Sharpness	%	25	000 ~ 100	
Color	&	26	000 ~ 100	
Tint	`	27	-50 ~ +50	
Color Mode	)	29	000: NORMAL 001: WARM 002: COLD	
Surround	-	2D	000: OFF 001: ON	
Bass	.	2E	000 ~ 100	Sets Bass value
Treble	/	2F	000 ~ 100	Sets Treble value
Balance	0	30	000 ~ 100	Sets Balance position
OSD Language	2	32	000: English 001: Francias 002: Spanish	
Power Lock	4	34	000: Unlock 001: Lock	
Volume	5	35	000 ~ 100	
Mute	6	36	000: OFF 001: ON (mute)	
Button Lock	8	38	000 : Unlock 001 : Lock	
TV Channel	=	3D	000 ~ 999	
Menu Lock	>	3E	000: Unlock 001: Lock	
Number	@	40	000 ~ 009	
Key Pad	A	41	000: UP 001: DOWN 002: LEFT 003: RIGHT 004: ENTER 005: INPUT 006: MENU/EXIT	
Remote Control	B	42	000: DISABLE 001: ENABLE 002: PASS THROUGH	**Disable:** RCU has no effect on HDTV. **Enabled:** RCU controls the HDTV. This is the power up default on the HDTV.**Pass through:** RCU has no effect on HDTV and all RCU command codes are transmitted to FC via the RS232 port. See page 51 for more details
Restore To Default	~	7E	000	Rests HDTV to factory setting

5. Get-Function Listing

The PC can interrogate the LCD Monitor for specific information. The Get-Function packet format consists of 5 bytes which is similar to the Set-Function packet structure. Note that the "Value" byte is always = 00.

Get-Function description:

Length	Total Byte of Message excluding "CR"
TV ID	Identification for each of TV. The TV ID doesn't be supported by HDTV power status on standby.
Command Type	Identify command type, "g" (0x67h) : Get Command
Command	Function command code: One byte ASCII code
Value[1~3]	Three bytes ASCII that defines the value
CR	0x0D

Get-Function format:

Send (Command Type= "g")

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5	6	7	8	9

(Command Type= "g", Only for HDTV power status on standby)

Name	Length	Command Type	Command	Value1	Value2	Value3	CR
Byte Count	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte
Bytes order	1	2	3	4	5	6	7

Reply: (Command Type= "r" or "-")

If the Command is valid, Command Type = "r"

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5	6	7	8	9

If the Command is valid, Command Type = "r", Only for HDTV power status on standby.

Name	Length	Command Type	Command	Value1	Value2	Value3	CR
Byte Count	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte	1 Byte
Bytes order	1	2	3	4	5	6	7

If the Command is Not valid, Command Type= "-"

Name	Length	ID	Command Type	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5

If the Command is Not valid, Command Type= "-", Only for HDTV power status on standby.

Name	Length	Command Type	CR
Byte Count	1 Byte	1 Byte	1 Byte
Bytes order	1	2	3

Example1: Get power status on standby and this command is valid.
Send (Hex Format)

Name	Length	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x36	0x67	0x6C	0x30	0x30	0x30	0x0D

Reply (Hex Format)

Name	Length	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x36	0x72	0x6C	0x30	0x30	0x30	0x0D

Example2: Get Brightness from TV-05 and this command is valid.
The Brightness value is 67.
Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x35	0x67	0x62	0x30	0x30	0x30	0x0D

Reply (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x35	0x72	0x62	0x30	0x36	0x37	0x0D

Example3: Get Brightness from TV-05 , but the Brightness command ID is error and it is NOT in the command table.
Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x35	0x67	0xD3	0x30	0x30	0x30	0x0D

Reply (Hex Format)

Name	Length	ID	Command Type	CR
Hex	0x34	0x30 0x35	0x2D	0x0D

Example4: Get Tint from TV-0007 and this command is valid.
The Tint value is +32.
Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x37	0x67	0x65	0x30	0x30	0x30	0x0D

Reply (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x37	0x72	0x65	0x2B	0x33	0x32	0x0D

Example5: Get Tint from TV-07 , but the Brightness command ID is error and it is NOT in the command table.
Send (Hex Format)

Name	Length	ID	Command Type	Command	Value1	Value2	Value3	CR
Hex	0x38	0x30 0x37	0x67	0xD7	0x30	0x30	0x30	0x0D

Reply (Hex Format)

Name	Length	ID	Command Type	CR
Hex	0x34	0x30 0x37	0x2D	0x0D

§ Table 5-1 outlines the Get-function command list that must be supported by the LCD Monitor.

Table 5-1: PC Get-function command to LCD Monitor

Get Function	Command Code (ASCII)	Command Code (Hex)	Response Range (Three ASCII bytes)	Comments
Get-Contrast	a	61	000 ~ 100	Gets Contrast value
Get-Brightness	b	62	000 ~ 100	Gets Brightness value
Get-Sharpness	c	63	000 ~ 100	Gets Sharpness value
Get-Color	d	64	000 ~ 100	Gets Color value
Get-Tint	e	65	-50 ~ +50	Gets Tint value
Get-Volume	f	66	000 ~ 100	Gets Volume value
Get-Mute	g	67	000: OFF (unmuted) 001: ON (muted)	Gets Mute ON/OFF status
Get-Input select	j	6A	000: TV 001: AV 002: SV 003: YPBPR 004: HDMI 1 005: HDMI 2 006: VGA	Gets Input select status
Get-Power status	l	6C	000: STBY 001: ON	Gets the status of the HDTV power. HDTV response: 000 = HDTV is in standby 001 = HDTV is ON
Get-Remote Control	n	6E	000: DISABLE 001: ENABLE 002: PASS THROUGH	**Disable:** RCU has no effect on HDTV. **Enabled:** RCU controls the HDTV. This is the power up default on the HDTV. **Pass through:** RCU has no effect on HDTV and all RCU command codes are transmitted to FC via the RS232 port. See page 51 for more details
Get-Power Lock	o	6F	000: Unlock 001: Lock	
Get-Button Lock	p	70	000: Unlock 001: Lock	
Get-Menu Lock	q	71	000: Unlock 001: Lock	
Get-ACK	z	7A	000	This command is used to test the communication link.

6. Remote Control Pass-through mode

When PC sets the LCD monitor to Remote Control Pass through mode, the LCD shall send a three bytes packet (followed by "CR") in response to RCU button activation. Note, that in this mode the RCU shall have no effect on the monitor function. For example: "+Volume" will not change the volume in the LCD but only sends "+Volume" code to PC over the RS232 port.

RCU Pass-through Command description:

Length	Total Byte of Message excluding "CR"
TV ID	Identification for each of TV
Command Type	Identify command type, "p" (0x70h) : RCU Pass-through
Value[1~2]	Two bytes ASCII that defines the value
CR	0x0D

RCU Pass-through Command Format:
Reply: (Command Type= "p")

Name	Length	ID	Command Type	Value1	Value2	CR
Byte Count	1 Byte	2 Byte	1 Byte	1 Byte	1 Byte	1 Byte
Bytes order	1	2~3	4	5	6	7

Example1: User press "Menu" Key form RCU to TV-03 and RCU data pass-through to Server, then server will receive "1A".
Reply (Hex Format)

Name	Length	ID	Command Type	Value1	Value2	CR
Hex	0x36	0x30 0x33	0x70	0x31	0x41	0x0D

Example2: User press "5" Key form RCU to TV-07 and RCU data pass-through to Server, then server will receive "05".
Reply (Hex Format)

Name	Length	ID	Command Type	Value1	Value2	CR
Hex	0x36	0x30 0x36	0x70	0x30	0x35	0x0D

Table 6-1: Baseline RCU Pass-through codes

Key	Code (HEX)	Key	Code (HEX)
1	01		31
2	02		32
3	03		33
4	04		34
5	05		35
6	06		36
7	07		37
8	08		38
9	09		39
0	0A		3A
	0B		3B
RECALL	0C		3C
	0D		3D
	0E		3E
ZOOM	0F		3F
VOLUME UP (+) ▲	10		40
VOLUME DOWN (-) ▼	11		41
MUTE	12		42
CHANNEL/PAGE UP (+) ▲	13		43
CHANNEL/PAGE DOWN (-) ▼	14		44
	15		45
SOURCES (INPUTS)	16		46
	17		47
	18		48
SLEEP	19		49
MENU	1A		4A
UP ▲	1B		4B
DOWN ▼	1C		4C
LEFT ◄	1D		4D
RIGHT ►	1E		4E
OK (ENTER)	1F		4F
	20		50
	21		51
	22		52
	23		53
	24		54
	25		55
	26		56
	27		57
	28		58
	29		59
	2A		5A
	2B		5B
	2C		5C
	2D		5D
	2E		5E
	2F		5F

Customer Support

For technical support or product service, see the table below or contact your reseller.

Note: You will need the product serial number.

Use with other Wall-Mount kit may cause instability and possibly result in injury.

To find the perfect mount for VT3205LED, please browse www.viewsonic.com or call our service team: United States 1-800-688-6688, Canada 1-866-463-4775.

Country/Region	Website	T = Telephone F = FAX	Email
United States	www.viewsonic.com	T (Toll-Free)= 1-800-688-6688 T (Toll)= 1-424-233-2530 F= 1-909-468-3757	service.us@viewsonic.com
Canada	www.viewsonic.com	T (Toll-Free)= 1-866-463-4775 T (Toll)= 1-424-233-2533 F= 1-909-468-3757	service.ca@viewsonic.com
Latin America (Argentina)	www.viewsonic.com/la/	T= 0800-4441185	soporte@viewsonic.com
Latin America (Chile)	www.viewsonic.com/la/	T= 1230-020-7975	soporte@viewsonic.com
Latin America (Columbia)	www.viewsonic.com/la/	T= 01800-9-157235	soporte@viewsonic.com
Latin America (Mexico)	www.viewsonic.com/la/	T= 001-8882328722	soporte@viewsonic.com
Renta y Datos, 29 SUR 721, COL. LA PAZ, 72160 PUEBLA, PUE. Tel: 01.222.891.55.77 CON 10 LINEAS Electroser, Av Reforma No. 403Gx39 y 41, 97000 Mérida, Yucatán. Tel: 01.999.925.19.16 Other places please refer to http://www.viewsonic.com/la/soporte/index.htm#Mexico			
Latin America (Peru)	www.viewsonic.com/la/	T= 0800-54565	soporte@viewsonic.com

Limited Warranty

VIEWSONIC LED TV

What the warranty covers:
ViewSonic warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

How long the warranty is effective:
ViewSonic LED TVs are warranted for 3 years for all parts excluding the light source and 3 years for labor from the date of the first customer purchase.

Who the warranty protects:
This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:
1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
   - **a.** Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
   - **b.** Repair or attempted repair by anyone not authorized by ViewSonic.
   - **c.** Any damage of the product due to shipment.
   - **d.** Removal or installation of the product.
   - **e.** Causes external to the product, such as electric power fluctuations or failure.
   - **f.** Use of supplies or parts not meeting ViewSonic's specifications.
   - **g.** Normal wear and tear.
   - **h.** Any other cause which does not relate to a product defect.
3. Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.
4. Removal, installation, and set-up service charges.
5. When you mount it on the wall, the following must be noticed:
   - **a.** The accessories attached with this product are applicable for this product only.
   - **b.** When the product is mounted on the wall, holes and fixed screws will remain in the wall body.
   - **c.** Wall face may discolor when this product has been mounted on the wall for a long time.

How to get service:
1. For information about receiving service under warranty, contact ViewSonic Customer Support (please refer to Customer Support page). You will need to provide your product's serial number.
2. To obtain warranted service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product freight prepaid in the original container to an authorized ViewSonic service center or ViewSonic.
4. For additional information or the name of the nearest ViewSonic service center, contact ViewSonic.

Limitation of implied warranties:
There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:
ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:
1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.

Effect of state law:
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Sales outside the U.S.A. and Canada:
For warranty information and service on ViewSonic products sold outside of the U.S.A. and Canada, contact ViewSonic or your local ViewSonic dealer.

The warranty period for this product in mainland China (Hong Kong, Macao and Taiwan Excluded) is subject to the terms and conditions of the Maintenance Guarantee Card.

For users in Europe and Russia, full details of warranty providedcan be found in www.viewsoniceurope.com under Support/Warranty Information.

4.3: ViewSonic LED TV Warranty LTV_LW01 Rev. 1C 06-25-07

Mexico Limited Warranty

VIEWSONIC LED TV

What the warranty covers:

ViewSonic warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components & accessories.

How long the warranty is effective:

ViewSonic LED TVs are warranted for 3 years for all parts excluding the light source and 3 years for labor from the date of the first customer purchase.

Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:

1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
   a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, unauthorized attempted repair, or failure to follow instructions supplied with the product.
   b. Any damage of the product due to shipment.
   c. Causes external to the product, such as electrical power fluctuations or failure.
   d. Use of supplies or parts not meeting ViewSonic's specifications.
   e. Normal wear and tear.
   f. Any other cause which does not relate to a product defect.
3. Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.
4. Removal, installation, insurance, and set-up service charges.

How to get service:

For information about receiving service under warranty, contact ViewSonic Customer Support (Please refer to the attached Customer Support page). You will need to provide your product's serial number, so please record the product information in the space provided below on your purchase for your future use. Please retain your receipt of proof of purchase to support your warranty claim.

For Your Records

Product Name: _____ Model Number: _____

Document Number: _____ Serial Number: _____

Purchase Date: _____ Extended Warranty Purchase? _____(Y/N)

If so, what date does warranty expire? _____

1. To obtain warranty service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
2. Take or ship the product in the original container packaging to an authorized ViewSonic service center.
3. Round trip transportation costs for in-warranty products will be paid by ViewSonic.

Limitation of implied warranties:

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

Exclusion of damages:

ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:

1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.
4. Repair or attempted repair by anyone not authorized by ViewSonic.

Contact Information for Sales & Authorized Service (Centro Autorizado de Servicio) within Mexico:	
Name, address, of manufacturer and importers: México, Av. de la Palma #8 Piso 2 Despacho 203, Corporativo Interpalmas, Col. San Fernando Huixquilucan, Estado de México Tel: (55) 3605-1099 http://www.viewsonic.com/la/soporte/index.htm	
NÚMERO GRATIS DE ASISTENCIA TÉCNICA PARA TODO MÉXICO: 001.866.823.2004	
Hermosillo: Distribuciones y Servicios Computacionales SA de CV. Calle Juarez 284 local 2 Col. Bugambilias C.P: 83140 Tel: 01-66-22-14-9005 E-Mail: disc2@hmo.megared.net.mx	***Villahermosa:*** Compumantenimietnos Garantizados, S.A. de C.V. AV. GREGORIO MENDEZ #1504 COL, FLORIDA C.P. 86040 Tel: 01 (993) 3 52 00 47 / 3522074 / 3 52 20 09 E-Mail: compumantenimientos@prodigy.net.mx
Puebla, Pue. (Matriz): RENTA Y DATOS, S.A. DE C.V. Domicilio: 29 SUR 721 COL. LA PAZ 72160 PUEBLA, PUE. Tel: 01(52).222.891.55.77 CON 10 LINEAS E-Mail: datos@puebla.megared.net.mx	***Veracruz, Ver.:*** CONEXION Y DESARROLLO, S.A DE C.V. Av. Americas # 419 ENTRE PINZÓN Y ALVARADO Fracc. Reforma C.P. 91919 Tel: 01-22-91-00-31-67 E-Mail: gacosta@qplus.com.mx
Chihuahua Soluciones Globales en Computación C. Magisterio # 3321 Col. Magisterial Chihuahua, Chih. Tel: 4136954 E-Mail: Cefeo@soluglobales.com	***Cuernavaca*** Compusupport de Cuernavaca SA de CV Francisco Leyva # 178 Col. Miguel Hidalgo C.P. 62040, Cuernavaca Morelos Tel: 01 777 3180579 / 01 777 3124014 E-Mail: aquevedo@compusupportcva.com
Distrito Federal: QPLUS, S.A. de C.V. Av. Coyoacán 931 Col. Del Valle 03100, México, D.F. Tel: 01(52)55-50-00-27-35 E-Mail : gacosta@qplus.com.mx	***Guadalajara, Jal.:*** SERVICRECE, S.A. de C.V. Av. Niños Héroes # 2281 Col. Arcos Sur, Sector Juárez 44170, Guadalajara, Jalisco Tel: 01(52)33-36-15-15-43 E-Mail: mmiranda@servicrece.com
Guerrero Acapulco GS Computación (Grupo Sesicomp) Progreso #6-A, Colo Centro 39300 Acapulco, Guerrero Tel: 744-48-32627	***Monterrey:*** Global Product Services Mar Caribe # 1987, Esquina con Golfo Pérsico Fracc. Bernardo Reyes, CP 64280 Monterrey N.L. México Tel: 8129-5103 E-Mail: aydeem@gps1.com.mx
MERIDA: ELECTROSER Av Reforma No. 403Gx39 y 41 Mérida, Yucatán, México CP97000 Tel: (52) 999-925-1916 E-Mail: rrrb@sureste.com	***Oaxaca, Oax.:*** CENTRO DE DISTRIBUCION Y SERVICIO, S.A. de C.V. Murguía # 708 P.A., Col. Centro, 68000, Oaxaca Tel: 01(52)95-15-15-22-22 Fax: 01(52)95-15-13-67-00 E-Mail. gpotai2001@hotmail.com
Tijuana: STD Av Ferrocarril Sonora #3780 L-C Col 20 de Noviembre Tijuana, Mexico	***FOR USA SUPPORT:*** ViewSonic Corporation 381 Brea Canyon Road, Walnut, CA. 91789 USA Tel: 800-688-6688 (English); 866-323-8056 (Spanish); Fax: 1-800-685-7276 E-Mail: http://www.viewsonic.com

4.3: ViewSonic Mexico Limited Warranty LTV_LW02 Rev. 1A 06-25-07

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